

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

Index

62.61

1
9
5
0
G
A
R
D
E
N
A
N
N
U
A
L



Glads FOR COLOR *from June'til Frost*

Plant these Beauties

- | | |
|----------------------|--------------------|
| 1. Red Stoplight | 7. Purple Supreme |
| 2. Rosa Van Lima | 8. Ethel Cave Cole |
| 3. Poet's Dream | 9. Gratitude |
| 4. Pink Radiance | 10. Snow Princess |
| 5. Spotlight, yellow | 11. Peggy Lou |
| 6. Valeria | 12. Black Opal |

Any Kind You Select,
10 for 85 cts., \$7 per 100, \$67.50 per 1000

COLLECTIONS

GA 60 Bulbs,	5 of each, \$4.75
GB 120 Bulbs,	10 of each, \$9.00
GC 300 Bulbs,	25 of each, \$20.00

Order by mail, or purchase at any of our stores:

New York	Englewood	Farmingdale
Hempstead	Millburn	Newark
Stamford	White Plains	

**EVERYTHING UNDER THE SUN for
DOWN - TO - EARTH GARDENERS**

Stumpp & Walter Co

132-138 Church Street, NEW YORK 8, N. Y.



Staigreen LAWN SEED

**BEST ON EARTH. HIGH PURITY
HIGH GERMINATION. CONTAINS NO CRABGRASS
MAXIMUM FREEDOM FROM WEEDS**

Staigreen A modern seed mixture, the result of years of experiment and sowing on all types of soil. Composed of the strongest, finest permanent grass varieties, including the Bents, Chewing's and Illahee Fescues. Under favorable conditions it produces a deep-rooted turf, carpet-like and emerald-green, from spring to early winter. Introduced by us in 1912, amended as new ingredients are developed.

Staigreen contains no Ryegrass or Timothy. The mixture has a definite resistance to chinch-bug injury, drought and summer-scald. We recommend it for all lawns, including those at the seashore and on slopes. Contains no White Clover, which may be sown separately if you desire it, allowing 1 pound to 20 pounds of Staigreen. See page 5.

**PRICE OF STAIGREEN: Lb. \$1.40, 2½ lbs. \$3.45,
5 lbs. \$6.75, 10 lbs. \$13, 25 lbs. \$31, 100 lbs. \$120**

Mixtures on this and opposite page suitable for the climate of the latitude of St. Louis to northernmost Canada. See page 2 for our Southern Lawn Formula.

Shady Place

BEST FOR UNDER TREES

Shady Place Lawn Seed consists of shade-tolerant grass varieties, together with sorts which do well in full light; may be used on both sunny and shaded areas of the lawn. In poor soil it may be necessary to renovate the lawn every season for several years, proceeding thus: Add lime every winter at the rate of 50 pounds per 1000 square feet; fork the land lightly in the spring, and apply Saw-conure, 50 pounds per 1000 square feet and 20 pounds of Emerald Grass Fertilizer; rake smooth and sow Shady Place Lawn Seed. Repeat the program at the end of summer.

**PRICE OF SHADY PLACE: Lb. \$1.40, 2½ lbs. \$3.45,
5 lbs. \$6.75, 10 lbs. \$13, 25 lbs. \$31, 100 lbs. \$120**

Creeping Bent Seed Pure seed of this fine turf grass. Over six million seeds to the pound, and this combined with the creeping character of the plants makes it possible to sow at half the customary rate on well-prepared soil. With care it will make a putting-green of your lawn. **Lb. \$2.25, 2½ lbs. \$5.50, 5 lbs. \$10.75, 10 lbs. \$21, 25 lbs. \$48.50.**

SOWING NEW LAWNS

	Lbs.	Acre	Lbs.
200 sq. feet.....	1	200
1000 sq. feet.....	5	

These amounts will give satisfactory results under average conditions, but if time is not important, and if your soil is good and rich, they may be reduced. Sow Creeping Bent at half these rates.

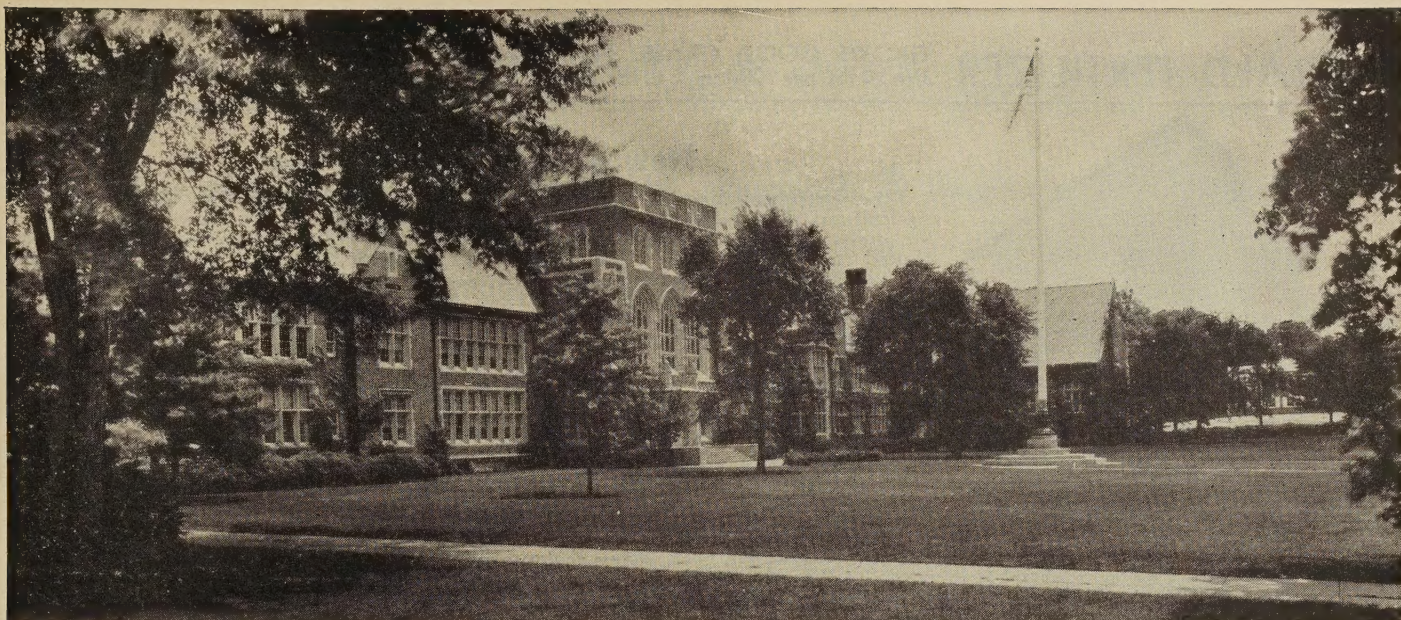
HOW MUCH TO USE

Sow during spring, autumn or winter. Avoid hot weather.

RENOVATING OLD LAWNS

	Lbs.	Acre	Lbs.
200 sq. feet.....	1½ to ¾	75 to 125
1000 sq. feet.....	2½ to 4	

Quantities are sometimes doubled by experienced turfmakers, especially when a lawn is sown in the spring. Heavy seeding means fewer weeds. However, sow Creeping Bent at the smaller rate listed above.



HOW TO MAKE A BEAUTIFUL LAWN

Dig the soil about 6 inches deep, but only when it is dry; if rain has fallen recently allow a few days of fine weather to elapse before commencing. As you dig, lift each clod high enough to enable you to turn it completely over. Strike the inverted clod with the back of the fork to break it. Remove all stones, sticks, and rubbish. Scatter *Emerald Grass Fertilizer on the dug earth; use 50 pounds to each 1000 square feet. Draw a rake back and forth until the soil is smooth and in fine condition.

Sow good lawn seed at the optimum rate of 1 pound (about $1\frac{1}{2}$ quarts) to each 200 square feet. Double the quantity for spring seeding and when turf is needed quickly. Select a day when no wind is blowing; divide the seed into two portions and sow the land twice to insure its even covering. When you have distributed the seed, rake the land once more, but very lightly. Do not work the rake back and forth—merely draw it toward you in a series of light strokes, raking only once in the same place so as to bury most of the grass seeds no more than $\frac{1}{8}$ inch deep.

Roll the seeded area, but should rain fall before the work is completed, defer the rolling until the land has dried or dispense with it altogether.

Sawco High-Grade Lawn Seed. Composed of fine re-cleaned grasses with White Clover, carefully proportioned so that they succeed one another throughout summer. One pound will sow 200 square feet; 200 pounds, an acre. **Lb. \$1.20, 2½ lbs. \$2.95, 5 lbs. \$5.75, 10 lbs. \$11, 25 lbs. \$26.50, 100 lbs. \$100.**

Greenwood Formula. For large lawns and parks. Produces turf of medium fineness if mown frequently. Contains seeds of strong germination, producing a permanent turf. Contains no Clover. Use one pound per 10 by 20 feet for new lawns; 200 pounds per acre. **Lb. \$1.00, 5 lbs. \$4.75, 10 lbs. \$9.25, 25 lbs. \$21.50, 100 lbs. \$82.50.**

Greenlawn Mixture. Here we have the lowest price at which we can offer re-cleaned grasses up to the Stumpp & Walter Co.'s standards of purity and high germination. Lush, green turf develops quickly. Use 200 pounds per acre, 5 pounds per 1000 square feet. **Lb. 75 cts., 5 lbs. \$3.25, 10 lbs. \$6.25, 25 lbs. \$15.25, 100 lbs. \$60, 500 lbs. \$285.**

For renovating, use half the quantities recommended for the several formulas above. For a quick new lawn, use double these amounts.

The Better the Seed, The Finer the Lawn. We include more of the Bent and Fescue grasses—the expensive ingredients—in our better mixtures. They have the narrowest leaves; result—finer turf. We recommend the Staigreen and Shady Place Mixtures. These, with Creeping Bent Seed, are described on opposite page.

REJUVENATING TURF LARGE-SCALE RENOVATING

First, mow closely and spray with one of the Chemical Weed-Killers listed on pages 99, 100. A lawn of pure Bent, however, is an exception; here hand-weeding only is recommended. Then:

1. Scratch the surface with a rake.
2. Broadcast *Sawconure, 50 pounds per 1000 square feet, and *Emerald Grass Fertilizer, 20 pounds per 1000 square feet. Spread sufficient topsoil to make an even surface without hiding the grass.
3. Rub with the back of the rake.
4. Sow lawn seed, $2\frac{1}{2}$ pounds per 1000 square feet.
5. Again rub with the rake. Grass must be dry; early spring and late summer best seasons.

REPAIRING A LAWN RENOVATING SMALL AREAS

Should your lawn fail in spots, if some areas are thin or bare, or when you cannot get grass to grow under trees, remove weeds. Then:

1. Roughen the surface with a rake.
2. Apply Lawnspread. See next page.

*These described on pages 101, 102

Stumpp & Walter Co.

132 Church Street, New York 8, N. Y.

BArclay 7-1110

Branches: STAMFORD, CONN.
HEMPSTEAD, L. I.

ENGLEWOOD, N. J.
NEWARK, N. J.

WHITE PLAINS, N. Y.
FARMINGDALE, L. I. MILLBURN, N. J.

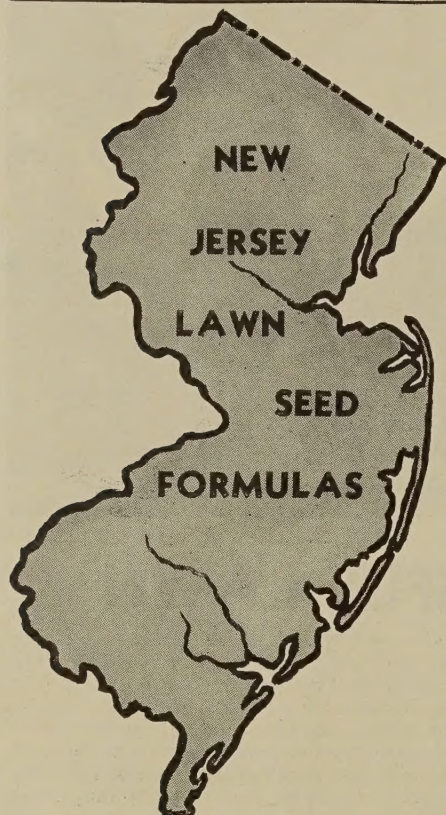
WARRANTY. The Stumpp & Walter Company warrants to the extent of the purchase price that Seeds, Plants, Shrubs, Trees or Bulbs sold are as described on the container within recognized tolerances. Seller gives no other or further warranty, express or implied.

Prices are Subject to Change

Copyright, 1950 by Stumpp & Walter Co.

EMERALD FERTILIZER

GROWS GOOD GRASS. For new lawns dig under 50 pounds per 1000 square feet. Use 20 lbs. per 1000 sq. ft. to top-dress existing lawns. 100-lb. bag \$6.50 . See page 101.



The Experiment Station publishes the Formulas, but cannot endorse the mixtures. As always, you must depend upon the reputation of the supplier.



Broadcast Lawnsread and rub in with the back of a rake.

*LAWNSPREAD Now contains Chlordane for Ant, Chinch-Bug and Grub Control

***Lawnsread.** A complete dressing in dry powder form. High-quality grass seeds mixed with approved grass foods and screened, sterile compost. In this mixture also are insecticides and fungicides including Chlordane. Each unit or bag weighs 25 lbs.

As a tonic for any lawn, broadcast one unit on each 20 feet by 20 feet at any time. Use every month on crab-grass, grub-infested lawns, or on brown-patch infested lawns.

To renovate Thin or Bare Turf, roughen the surface and broadcast one unit on each 10 feet by 20 feet.

*LAWNSPREAD

Contains mixed seeds for open and shaded areas.

1 to 10 bags, \$3.25 per bag
11 to 25 bags, 3.10 per bag
Over 25 bags, 3.00 per bag

*SUPER-LAWNSPREAD

Contains Coos County Bent Seeds for home putting-greens.

1 to 10 bags, \$3.75 per bag
11 to 25 bags, 3.60 per bag
Over 25 bags, 3.45 per bag

Purchaser pays transportation on Lawnsread

*Trade-mark Registered, patent pending.

"Lawnsread with Sawco-Japy" (Milky Disease Spore Dust). For control of Japanese Beetles, add 50 cts. per bag to above prices.

New Jersey Seed Mixtures

These are prepared according to the most recent formulas published by the New Jersey Agricultural Experiment Station. They list only those grass varieties known to be suitable for producing excellent turf, and that may be used with every confidence anywhere in the United States, north of the Mason and Dixon line. Although the Experiment Station has established minimum percentages for purity and germination in the individual seeds, our customers will not be surprised to learn that our seeds used in these formulas run consistently and markedly higher than the Station's specifications. We request that this be borne in mind when prices are being considered.

Formula No. 1 (with Clover). Standard for lawns on fair to good soils. Lb. \$1.45, 2½ lbs. \$3.60, 5 lbs. \$7, 10 lbs. \$13.50, 25 lbs. \$32.50, 100 lbs. \$125.

Formula No. 1a (without Clover). Same basis as above, but without Clover. Lb. \$1.45, 2½ lbs. \$3.60, 5 lbs. \$7, 10 lbs. \$13.50, 25 lbs. \$32.50, 100 lbs. \$125.

Formula No. 2. For finest quality turf, containing a liberal percentage of Colonial Bent. Lb. \$1.50, 2½ lbs. \$3.70, 5 lbs. \$7.25, 10 lbs. \$14, 25 lbs. \$33.75, 100 lbs. \$130.

Formula No. 3. For shaded areas. Lb. \$1.45, 2½ lbs. \$3.60, 5 lbs. \$7, 10 lbs. \$13.50, 25 lbs. \$32.50, 100 lbs. \$125.

Formula No. 4. For poor, clayey, shaley, or sandy soils; and for lawns on terraces or steeply sloping land. Lb. \$1.35, 2½ lbs. \$3.30, 5 lbs. \$6.50, 10 lbs. \$12.75, 25 lbs. \$30, 100 lbs. \$115.

Formula No. 4a. Similar to No. 4 but without Clover. Lb. \$1.35, 2½ lbs. \$3.30, 5 lbs. \$6.50, 10 lbs. \$12.75, 25 lbs. \$30, 100 lbs. \$115.

TAILOR-MADE LAWN. Contains Seed, Fertilizer, Hormones. Seed and plant material pre-planted in a sheet of cellulose paper. Supplied in roll form, each roll 20 feet long by 2½ feet wide. Merely roll out to plant. Cover lightly with soil, and sprinkle. Cut to any size required for repairing. Ideal for slopes, terraces and patching. \$2 per roll, post-paid.



Turf in the South

Southern Lawn Grass Seeds. From central Virginia south, the ordinary northern grasses will not thrive permanently. We offer a special formula which we find satisfactory. We advise that two seedings be made annually, one each spring and one each fall, allowing at each, one pound to every 20 by 20 feet. Continue this programme each spring and fall for as long as is found necessary to produce turf which swings automatically to northern grasses in winter and southern grasses in summer. Lb. \$1, 2½ lbs. \$2.45, 5 lbs. \$4.85, 10 lbs. \$9.50, 25 lbs. \$22.50, 100 lbs. \$85.



Use Our Southern Lawn Grass Seeds for Lawns South of the Mason and Dixon Line

Turf for All Sports Seeded with Stumpp & Walter Co. Grass Seeds

GOLF

Putting-Green Formulas

Use 10 pounds to each 1000 square feet for new greens

Standard Putting-Green Formula. Recommended for light, dry soils. This is a blend consisting of imported and domestic grass seeds of fine quality. The mixture includes the Bent Grasses and Red Fescue. **Lb. \$1.80, 5 lbs. \$8.50, 25 lbs. \$37.50, 100 lbs. \$140.**

Special Putting-Green Bent Formula. Recommended for well-prepared, rich soils. This is a blend of grass seeds of the finest quality—all of the highest purity and strongest germination. We include in the formula an increased proportion of the Bents. **Lb. \$1.90, 5 lbs. \$9, 25 lbs. \$40, 100 lbs. \$150.**

Fairgreen Formulas

Use 200 pounds to each acre for new fairways

Fairgreen Formula, Fine Quality. Recommended for light, dry soils. Weight of a measured bushel of this formula is over 25 pounds. Under average conditions this mixture will produce an even, tough and lasting turf. **Lb. \$1.30, 5 lbs. \$5.75, 25 lbs. \$26.50, 100 lbs. \$95.**

Fairgreen Formula, Superfine Quality. A prescription designed to produce wonderful turf from tee to green. For well-prepared, rich soils. Contains Bent, Chewing's Fescue, Kentucky Bluegrass, and Superfine Redtop. These are the grasses preferred by the golfer on fairways, and will encourage play on your course. **Lb. \$1.50, 5 lbs. \$7.25, 25 lbs. \$31, 100 lbs. \$115.**

Formula for Problem Fairways. Resists chinch-bug, drought, heat, and poor soil. **5 lbs. \$7.50, 25 lbs. \$33.50, 100 lbs. \$120.**

Formula for Irrigated Fairways. Gives wonderful results where it is possible to keep the soil moist under all conditions. **5 lbs. \$8.50, 25 lbs. \$37.50, 100 lbs. \$135.**

Formula for Tees

Our formula includes only those varieties which will stand rough usage and recuperate quickly after excessive wear. Use 10 pounds per 1000 square feet for new seedlings. **Lb. \$1.40, 5 lbs. \$6.50, 25 lbs. \$28.50, 100 lbs. \$110.**

Rough Formula

Consists of the taller-growing hardy perennial grasses in combination with yarrow and other plants suitable for the purpose and least likely to give serious trouble as weeds, should their seed be carried on to your greens or fairways. Use 100 pounds per acre for new seedlings. **5 lbs. \$4, 25 lbs. \$18.50, 100 lbs. \$65.**



Velvet-smooth Practice Green and Club House, Fresh Meadow Club, Lake Success, L. I., James Kehoe, Superintendent. Stumpp & Walter Co's Mixed Seeds used for many years.



Stumpp & Walter Co.'s Seaside Bent stands up well under heavy play on the 18 greens of the Grossinger Golf Course, Ferndale, N. Y. Andy Salerno, superintendent.

Tennis

Lawn Tennis Formula. Grasses which may be mown closely, rolled continuously, and which will stand up well under localized wear. Use 15 pounds per 2000 square feet when building new courts. **Lb. \$1.80, 5 lbs. \$8.25, 25 lbs. \$36, 100 lbs. \$135.**

Football and Athletics

Touchdown Formula. Hard-wearing grasses properly proportioned. Sow 10 pounds per 2000 square feet when building new fields. **5 lbs. \$7.25, 25 lbs. \$31, 100 lbs. \$115.**

Athletic Field Formula. Has a smaller percentage of the permanent grasses; nevertheless, it is a reliable mixture for low budgets. **25 lbs. \$26.50, 100 lbs. \$90.**

Lawn Bowling

Bowling Green Formula. A mixture of fine Bent Grasses. For new greens, the standard dimensions of which are 120 by 120 feet, sow at the rate of 5 pounds per 1000 square feet. **Lb. \$2.25, 5 lbs. \$10.50, 25 lbs. \$47.50.**

Racing and Polo

An improved grass track! Thick, springy, deep green in color, and tough—sod which will stand up after hard use. To produce it, and to repair damage caused by wear or drought, sow our Racetrack Formula seeds. On a polo field, the relatively smaller area permits more detailed care, and justifies the use of our Hurlingham Polo Formula.

Racetrack Formula. Produces a turf which is tough, thick, dark green and vigorous. **100 lbs. \$75, 500 lbs. \$365, 1000 lbs. \$650.**

Hurlingham Polo Formula. Mixture used on the well-known English field, adapted to American conditions. **5 lbs. \$7.25, 25 lbs. \$31, 100 lbs. \$115.**

Aviation

Airport Formula, Superfine Quality. A combination of turf-binding grasses that will produce a strong, densely matted turf. It gives a sward of a deep green color. **100 lbs. \$90, 500 lbs. \$415, 1000 lbs. \$800.**

Airport Formula, Fine Quality. Gives a tough, wear-resistant turf, of a gray-green color. **100 lbs. \$75, 500 lbs. \$365, 1000 lbs. \$650.**

Divot Formula for Repairing Damage

A blend consisting of (a) permanent grasses suitable for sports fields, fairways and tees, with (b) seeds of the quickest growing plants of a temporary nature. The latter grow immediately, and in a day or two of favorable weather you cannot locate the divot; in the course of a few weeks, with cutting, the temporary plants disappear, leaving the permanent grasses, now established, in possession of the soil. **Lb. \$1.65, 5 lbs. \$7.50, 25 lbs. \$32.50, 100 lbs. \$125.**

"Straight Grass Seeds" Of Known Quality—Maximum Purity and Highest Germination

Clovers, Hay-Pasture Mixtures, and other Farm Seeds are offered on next page

For quantities in excess to those quoted below write for special delivered prices.

Agrostis Varieties or Bents

One pound contains about 4,000,000 live seeds

TRIPLE A BENT. The best type of *Agrostis tenuis*; produces a stoloniferous, deep-rooted sod. Under constant mowing, it develops a turf akin to fine, silk-like, bright green Velvet Bent. Triple A turf becomes green early in spring and retains its color late in autumn. Lb. \$2.50, 10 lbs. \$22.50, 25 lbs. \$52.50.

SEASIDE BENT (*Agrostis palustris*). Coos County Strain. The plant is dwarf and it multiplies rapidly by sending out runners in all directions; from these, new plants are produced, and they, in turn, grow more runners. The turf becomes matted, and if damaged it heals over promptly. Lb. \$2.50, 10 lbs. \$22.50, 25 lbs. \$52.50.

RHODE ISLAND BENT or COLONIAL BENT (*Agrostis tenuis*). Native seed. Produces a turf of good color, fine texture, and resistant to drought. Lb. \$2.25, 10 lbs. \$20, 25 lbs. \$48.50.

HIGHLAND BENT. Somewhat coarser than Colonial and the other Bents. Blends in well with other Lawn grasses. Resists drought better than others and does well in mid-southern areas. Lb. \$2.15, 10 lbs. \$19, 25 lbs. \$46.

ASTORIA BENT (*Agrostis tenuis* var.). Produces a fine matted turf. Develops strong underground runners, making it a valuable soil-binder. Lb. \$2.25, 10 lbs. \$20, 25 lbs. \$48.50.

VELVET BENT (*Agrostis canina*). Dwarfest of the turf grasses, producing a sward of exquisite, silk-like texture. Lb. \$6.50, 10 lbs. \$60.

REDTOP (*Agrostis alba*). A good pasture and hay grass and valuable as a nurse grass in lawns. In very short supply this year.

	Lb.	10 lbs.	25 lbs.
Superfine Sample. For specialists' use...	\$1 45	\$13 50	\$31 00
Fine Recleaned Seed. High germination.	1 35	12 50	28 50

Poa Varieties

One pound contains about 2,000,000 live seeds

BIRDGRASS or SHADE BLUEGRASS (*Poa trivialis*). One of the few grasses that will grow in shaded situations. Resistant to drought. Lb. \$1.65, 10 lbs. \$15, 25 lbs. \$35.

KENTUCKY BLUEGRASS (*Poa pratensis*; June Grass). Used for all purposes in the northern states. Lb. 10 lbs. 25 lbs.

Superfine Sample. For Specialists' use...\$1 65 \$15 00 \$35 00

Fine Recleaned Seed. High germination. 1 45 13 00 30 00

CANADA BLUEGRASS (*Poa compressa*). Similar to Kentucky Bluegrass but of a less pleasing color. Lb. \$1.65, 10 lbs. \$15, 25 lbs. \$35.



Near-perfect lawns on the property of Mr. C. A. Gottesman, White Plains, N. Y., are the result of carefully proportioned mixtures of high-quality seed.

Fescue Varieties

One pound contains from 500,000 to 1,000,000 live seeds

CHEWING'S FESCUE (*Festuca rubra commutata*). Produces a mat-like turf of a pleasing green color. The leaves are fine, needle-like, and bristly. Resistant to heat, drought, and hard wear. Splendid for shaded areas and sandy soils. Imported seed. Lb. \$1.25, 10 lbs. \$11.50, 25 lbs. \$26.50.

CHEWING'S FESCUE. U. S. grown seed. High purity and germination. Lb. \$1.25, 10 lbs. \$11.50, 25 lbs. \$26.50.

CREEPING RED FESCUE (*Festuca rubra genuina*). For fine turf. Good for shade, embankments, between flagstones. Lb. \$1.45, 10 lbs. \$13.50, 25 lbs. \$31.50.

CREEPING RED FESCUE, ILLAHEE STRAIN. A distinct strain. It represents the toughest and most desirable type of Creeping Fescue. Suitable for shade or sunny lawns. Highly resistant to disease. Blends in well with other turf-producing grasses. We use it in many of our better grass formulas. Lb. \$1.50, 10 lbs. \$14, 25 lbs. \$33.50.

MEADOW FESCUE (*Festuca elatior pratensis*). A flat, broad-leaved grass. Tall; grows quickly. Lb. 75 cts., 10 lbs. \$6.50, 25 lbs. \$15.

TALL FESCUE, ALTA STRAIN (*Festuca elatior*). Mostly used for pasture; does well on moist heavy land. Deep rooted. Suitable for roadsides, and athletic fields if not mowed too close. Splendid nurse grass for lawns in difficult situations. Lb. \$1.35, 10 lbs. \$12.50, 25 lbs. \$27.50.

Ryegrasses

One pound contains about 300,000 live seeds

PERENNIAL RYEGRASS (*Lolium perenne*). A quick-growing, tall grass, sometimes included in lawn mixtures for speed. Valuable hay and pasture variety. Lb. 55 cts., 10 lbs. \$4.75, 25 lbs. \$10.

PACEY'S PERENNIAL RYEGRASS (*Lolium perenne Pacey*). A smaller-seeded, slightly dwarfier type of English Ryegrass. Lb. 60 cts., 10 lbs. \$5.25, 25 lbs. \$11.

ITALIAN RYEGRASS (*Lolium multiflorum*). A coarse, tall grass; mammoth producer of hay. Lb. 50 cts., 10 lbs. \$4.50, 25 lbs. \$9.50.

DOMESTIC RYEGRASS. Much used as a temporary winter turf in the South, also as a nurse grass or temporary lawn in the North. Lb. 45 cts., 10 lbs. \$4, 25 lbs. \$9.

Sundry Varieties

SMOOTH BROMEGRASS (*Bromus inermis*). Height 30 inches, with creeping roots. Useful for binding embankments. A pasture grass for dry soils. Lb. \$1.10; 10 lbs. \$10, 25 lbs. \$23.50.

CRESTED WHEATGRASS (*Agropyron cristatum*). A hardy, drought-resistant variety, native to the dry plains of Siberia. A coarse type, growing profusely in cold weather. Lb. \$1.25, 10 lbs. \$11.25, 25 lbs. \$25.

ORCHARD GRASS (*Dactylis glomerata*). A coarse, bluish green plant, widely used for hay and pasture. Lb. 70 cts., 10 lbs. \$6, 25 lbs. \$13.50.

TALL OATGRASS (*Arrhenatherum elatius*). Lb. 75 cts., 10 lbs. \$6.50, 25 lbs. \$15.

TIMOTHY (*Phleum pratense*). A quick-growing, tall grass, for hay and pasture. Lb. 65 cts., 10 lbs. \$5.50, 25 lbs. \$12.50.

YARROW (*Achillea Millefolium*). Drought-resisting plant with delicate fern-like leaves. Sometimes used for lawns. Lb. \$2.50.

BERMUDA GRASS SEED. A superior strain for southern lawns and pastures. Lb. \$1.25, 10 lbs. \$11.50, 25 lbs. \$27.50.

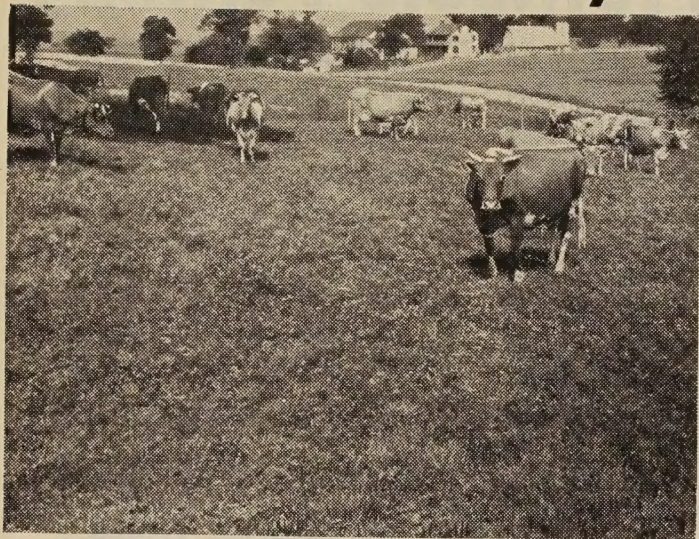
HULLED BERMUDA SEED. Lb. \$1.45, 10 lbs. \$13.50, 25 lbs. \$32.50.

CARPET GRASS SEED. For southern lawns or pastures in moist soil. Lb. \$1, 10 lbs. \$9, 25 lbs. \$20.

Prices on This Page, except where noted, Include Delivery to Any Point east of the Mississippi

Due to short crops, many grasses are in small supply and markets higher and firm at time of publishing this catalogue
Prices are subject to change without notice

Seeds for Hay or Permanent Pasture



Cornell Pasture and Hay Mixture

This formula of grass and clover seeds is compounded strictly in accordance with the specifications of the Department of Agronomy, Cornell University. However, we use higher quality ingredients than specified.

Cornell General-Purpose Mixture. With Kentucky Bluegrass as recommended for a number of years. For hay and pasture or pasture alone. For soil of fair quality, but will thrive under drier conditions than other Mixtures. May be used with a grain crop. Sow 20 pounds per acre. Lb. \$1.10, 10 lbs. \$9.50, 100 lbs. \$80.

Quantity is that recommended by Cornell University. Where maximum speed is needed, and on weed-seed-infested land, it may well be increased by 50 per cent.

Special Note. This is a suggestion of the Stumpp & Walter Co. and is not necessarily endorsed by Cornell.

Sawco Grass and Clover Formulas

We have furnished these for over forty-five years, and they have long shown their suitability to conditions in the greater metropolitan district, where they have proved highly satisfactory to our many customers. They are compounded from a wide range of varieties.

Sawco Formula No. 1. Grasses only of high quality for pasture and hay, consisting of nine permanent varieties, correctly proportioned. No Clover. Sow 45 pounds per acre. Lb. 95 cts., 10 lbs. \$8.50, 100 lbs. \$70.

Sawco Formula No. 2. Grasses and Clovers of high quality for pasture and hay. This mixture consists of twelve ingredients, giving good pasturage and heavy cuts of highly nutritious hay. Sow 40 pounds per acre. Lb. \$1.05, 10 lbs. \$9.50, 100 lbs. \$80.

Sawco Formula No. 3. Clovers only of high quality for rich pasture. No grasses. Sow 15 pounds per acre. Lb. \$1.25, 10 lbs. \$11.50, 100 lbs. \$95.

Sawco Formula No. 4. For hay and pasture; consists of Timothy, Redtop and Clover only. Sow 30 pounds per acre. Lb. 85 cts., 10 lbs. \$7.50, 100 lbs. \$65.

When ordering any of these formulas, kindly state whether your soil is (a) loamy, (b) bottom-land, (c) shaded orchard or (d) poor, including hillside.



White Clover

We deliver Above Grass Seeds and Mixtures east of the Mississippi; Express or Freight, Our Option

Seed of Maximum Purity and
Highest Germination

CLOVER

Prices F.O.B. our stores
except where noted

Varieties Used for Lawns On the Farm also

White Clover. Used in mixture for pastures or lawns. Oz. 25 cts., 1/4 lb. 75 cts., lb. \$2, 10 lbs. \$18.50, 25 lbs. \$45, postpaid.

Wild White Clover. More permanent and spreading. Thrives on soils too poor for other Clovers. Inclusion of 1 pound per acre in a seed mixture is recommended to increase the yield of hay. Oz. 35 cts., 1/4 lb. \$1, lb. \$3, 10 lbs. \$27.50, postpaid.

Alsike (Swedish Clover). Hardy and will do better on unfavorable land. Usually sown in mixtures; if used alone, allow 10 pounds per acre. Lb. 90 cts., postpaid \$1.10; 10 lbs. \$8, postpaid \$9; 100 lbs. \$70.



Varieties Used on the Farm

Some are good for digging under in the garden, too, for improving the soil

Ladino Clover. A giant white Clover, excellent for pastures. Good either for shallow or heavy soils, but especially profitable on moist ones. Lb. \$3.50, postpaid \$3.70; 10 lbs. \$32.50, postpaid \$33.25.

Medium Red. Summer crop is usually cut when in blossom for hay; second in late summer. Sown spring or fall, and if alone, at 15 pounds per acre. American seed. Lb. \$1.10, postpaid \$1.30; 10 lbs. \$9, postpaid \$10; 100 lbs. \$85.

Mammoth Red. A larger type than the preceding. Sow, if alone, 15 pounds per acre. American seed. Lb. \$1.10, postpaid \$1.30; 10 lbs. \$9, postpaid \$10; 100 lbs. \$85.

Alfalfa or Lucerne. Deep roots resist drought. Use 20 pounds per acre drilled, or 30 pounds broadcast. Northern-grown, cold-resistant American seed. Lb. \$1.25, postpaid \$1.45; 10 lbs. \$11.50, postpaid \$12.50; 100 lbs. \$95.

Grimm Alfalfa. Hardier, bigger, and more tolerant of unfavorable soils than the type. Use 15 pounds per acre drilled, or 20 pounds broadcast. Lb. \$1.35, postpaid \$1.55; 10 lbs. \$12, postpaid \$13; 100 lbs. \$100.

Crimson Clover. For early spring pasture or for hay. Use 20 pounds per acre, June to Oct. Lb. 70 cts., postpaid 90 cts.; 10 lbs. \$6.50, postpaid \$7.50; 100 lbs. \$50.

White Sweet Clover. Fair fodder when young, and excellent to turn under. Bee-plant. 6-ft. Sow 15 pounds per acre. Lb. 60 cts., postpaid 80 cts.; 10 lbs. \$5, postpaid \$6; 100 lbs. \$37.50.

BIRDSFOOT TREFOIL (*Lotus corniculatus*). Highly productive dwarf perennial legume, deep rooting and drought-resistant. Palatable to stock and valuable as a bottom ingredient in pastures. On slopes may even be added to grass seed for very rough lawns. Lb. \$3, 10 lbs. \$28.50, postpaid.

LESPEDEZA. For pasture, hay and lawn on poor land in warmer sections.

Korean. Lb. 35 cts., postpaid 55 cts.; 10 lbs. \$3, postpaid \$4; 100 lbs. \$20.

Kobe. Lb. 50 cts., postpaid 70 cts.; 10 lbs. \$4, postpaid \$5; 100 lbs. \$32.50.

Sericea. (Perennial.) Lb. 70 cts., postpaid 90 cts.; 10 lbs. \$6, postpaid \$7; 100 lbs. \$50.

Quality Seeds for Profitable Farming

IMPROVED FIELD CORN

Sow 1 peck per acre for ears, $\frac{1}{2}$ bushel for silage, up to 1 bushel for fodder. Rows wide enough for tractor cultivation.

Flint Corns and early Dents are quick plants of moderate size and are grown for ears. Slower Dent sorts are larger and are for both ears and leaves. Fodder varieties are still larger and are grown for their leaves.

Hybrid Varieties

Two kinds are grown together: care is taken in selecting parents, in removing male flowers from the female parents, discarding the ears from the male parents. The hybrids are more thrifty, more disease-resistant, and far heavier producers of grain or ensilage, or both.

9504 Cornell 29-3 Hybrid Dent. (110 days.) Yellow kernels with a slight red tinge. Splendid for ensilage in areas with short seasons and grain for other areas. Qt. 75 cts., postpaid 95 cts.; pk. \$4.65, bus. (56 lbs.) \$14, 10 bus. \$130.

9503 Hybrid Yellow Dent. (105 days.) Heavy-yielding variety. Produces very long, large, sound ears, deep grains; strong, stocky, medium-tall stalk. For ensilage as well as grain. Qt. 70 cts., postpaid 90 cts.; pk. \$4.50, bus. (56 lbs.) \$13.50, 10 bus. \$125.

Open-pollinated Corn

9508 Golden Eureka (Dent.) Under favorable conditions may yield 150 bushels of ears or 25 tons of silage per acre. Grows 12 feet high, ears average 12 to 15 inches long, 18 or 20 rows, yellow grains, and small cob. 100 days. Qt. 60 cts., postpaid 80 cts.; pk. \$2.50, bus. (56 lbs.) \$7.50, 10 bus. \$70.

9509 Cornell 11 (Dent.) A 110- to 115-day yellow Corn for silage as well as grain. Ears 9 to 10 inches. 14- to 18-rowed with small red cobs. Grows 8 to 9 feet tall. Qt. 65 cts., postpaid 85 cts.; pk. \$2.65, bus. (56 lbs.) \$8, 10 bus. \$75.

9510 Longfellow (Flint). (90 days.) Ears 12 inches long; cobs small; kernels of good size. For ears as far north as Massachusetts. Qt. 65 cts., postpaid 85 cts.; pk. \$2.65, bus. (56 lbs.) \$8, 10 bus. \$75.

9511 Jumbo Silage. (Fodder.) An improved West Branch Sweepstakes. Large plant, 12 to 15 feet high. For low, rich lands. Qt. 60 cts., postpaid 80 cts.; pk. \$2.50, bus. (56 lbs.) \$7.50, 10 bus. \$70.

9512 Evergreen. (Fodder.) A sweet Corn valuable as silage or green fodder. Qt. 70 cts., postpaid 85 cts.; pk. \$2.50, bus. (45 lbs.) \$8, 10 bus. \$75.

POP-CORN FOR POPPING

9518 Giant Yellow. Lb. 20 cts., postpaid 40 cts.; 5 lbs. 90 cts., postpaid \$1.25.

9519 White Hulless. Lb. 25 cts., postpaid 45 cts.; 5 lbs. \$1.15, postpaid \$1.50.

WARRANTY. The Stumpp & Walter Co. warrants to the extent of the purchase price that Seeds, Plants, Shrubs, Trees or Bulbs sold are as described on the container within recognized tolerances. Seller gives no other or further Warranty, express or implied.



Soy Beans

CEREALS

SEED OATS. Superior varieties often weigh up to 40 pounds per measured bushel, but are sold at the standard weight of 32 pounds per bushel. For production of grain, use $2\frac{1}{2}$ bushels per acre; for forage, 3 bushels.

9522 Clinton. Has given remarkable results in the East. Straw-colored type; early. Tall, stiff heavy Oat and high yielder. Pk. \$1.50, bus. \$4.25, 10 bus. \$40. **9524 Welcome.** Heavy, handsome, and productive. Swedish type. Qt. 35 cts., postpaid 50 cts.; pk. \$1.35, bus. (32 lbs.) \$3.75, 10 bus. \$35.

9529 SPRING RYE. Very valuable plow-under crop with Vetch, for soil-improvement, using 1 bushel with 50 pounds of Vetch per acre. When grown alone, sow 2 bushels of Rye per acre. Qt. 50 cts., postpaid 70 cts.; pk. \$2.35, bus. (56 lbs.) \$7, 10 bus. \$65.

9531 SPRING WHEAT. A heavy-cropping, hard, beardless variety. $1\frac{1}{2}$ to 2 bushels per acre. Qt. 50 cts., postpaid 70 cts.; pk. \$2.50, bus. (60 lbs.) \$7.50, 10 bus. \$70.

9533 WHEAT FOR COOKING. Lb. 30 cts., postpaid 50 cts.; 10 lbs. \$2.50, 100 lbs. \$15.

In Place of Manure

Soil-improving Plants; dig them under

The added organic material will retain plant-food and hold moisture. It is desirable to sow combinations of them; when mixed together the stated quantities may be reduced in proportion.

Quantity when sown alone

	Per acre	Per 1000 sq. ft.
*Spring Vetch.....	100 lbs.	3 lbs.
Spring Rye.....	2 bus.	2 qts.

SUMMER SEEDING

*Soy Beans.....	2 bus.	2 qts.
Mammoth Buckwheat.....	2 bus.	2 qts.
*Crimson Clover.....	35 lbs.	1 lb.

EARLY FALL SEEDING

Winter Rye.....	2 bus.	2 qts.
Winter Wheat.....	2 bus.	2 qts.
*Winter or Hairy Vetch.....	100 lbs.	3 lbs.

SEEDING ANY TIME

*Mixed Clovers (Sawco Formula No. 3).....	35 lbs.	1 lb.
---	---------	-------

Varieties marked * are legumes, and are of additional value because of the nitrates which are added to the soil by colonies of bacteria in nodules on the roots of leguminous plants. Use these, and you need less nitrogenous fertilizer.

LEGUMINOUS CROPS

SOY BEANS. Mammoth Yellow and Wilson are slow-growing, tall and bushy sorts which do not mature Beans in northern latitudes, but are the best to use for green feed, for silage or hay; also for plowing under for soil-improvement. Earlyana grows quickly enough to mature Beans in the North. Sow 3 to 4 pecks per acre in 24-inch rows, or 6 to 8 pecks if drilled solid or broadcast. When grown with corn, allow 1 peck with 1 peck of corn to the acre.

9537 Mammoth Yellow. Enormous plants. Yellow seed.

9538 Wilson. Black-seeded sort. Early, but somewhat smaller.

9539 Earlyana. Yellow-seeded variety. Ripens early.

Above 3 sorts, qt. 50 cts., postpaid 75 cts.; pk. \$3, bus. (60 lbs.) \$7, 10 bus. \$65

VETCHES OR TARES

Excellent for milk-production and fattening stock, either green or as silage or hay. Good plow-under crops for soil-improvement. Usually grown with oats, wheat, or rye to keep them off the ground.

9543 Spring Vetch (Vicia sativa). Sow in spring, using 150 lbs. per acre, broadcast, or 100 lbs. in drills; or 1 bus. of a cereal and 50 lbs. of Vetch. Lb. 45 cts., postpaid 65 cts.; 10 lbs. \$4, postpaid \$5; 100 lbs. \$30.

9544 Winter or Hairy Vetch (Vicia villosa). For spring and autumn seeding, using 100 lbs. per acre, broadcast, or 75 lbs. in drills; or 1 bus. of a cereal and 50 lbs. of Winter Vetch. Lb. 65 cts., postpaid 85 cts.; 10 lbs. \$5.50, postpaid \$6.50; 100 lbs. \$45.

SUNDRY FARM SEEDS

9560 MAMMOTH BUCKWHEAT. More prolific than other sorts, and the grains are nearly twice as large. Sow June-July, broadcast, 2 bushels per acre. Qt. 35 cts., postpaid 60 cts.; pk. \$1.75, bus. (48 lbs.) \$5, 10 bus. \$45.

9562 DWARF ESSEX RAPE. For sheep, hogs, and cattle. Sow July-August, using 12 pounds per acre broadcast or 5 pounds drilled. Lb. 40 cts., postpaid 60 cts.; 10 lbs. \$3.25, 100 lbs. \$27.50.

MILLETS. Catch-crops to replace corn, wheat, or other crops which have failed. Fed green, or as silage or hay.

9554 Golden. Sow 50 pounds per acre. Lb. 25 cts., postpaid 45 cts.; 10 lbs. \$2, 100 lbs. \$16.

9556 Hungarian. Sow 50 pounds per acre. Lb. 25 cts., postpaid 45 cts.; 10 lbs. \$1.75, 100 lbs. \$13.50.

9558 Barnyard. Sow 25 pounds per acre. Lb. 25 cts., postpaid 45 cts.; 10 lbs. \$1.75, 100 lbs. \$13.

9550 SUDAN GRASS. Employ 30 pounds per acre. Lb. 30 cts., postpaid 50 cts.; 10 lbs. \$2.50, 100 lbs. \$20.

9564 SUNFLOWER, Mammoth Russian. Useful for poultry. Four pounds of seed will sow an acre. Lb. 60 cts., postpaid 80 cts.; 10 lbs. \$4.50, 100 lbs. \$40.

Crop Insurance

Use Semesan Jr. for smut and root-rot, Crow Repellant for loss by birds, Ceresan for bunt, smut and other fungi. Legume-Aid adds nitrogen-fixing bacteria to legumes.

All described on insecticide and fertilizer pages, 99-102.

Plant Vitamin-filled SNAP BEANS for Summer-long Enjoyment

½ lb. equals about ½ pint; 1 lb. equals about 1 pint; 2 lbs. equal about 1 quart; 15 lbs. equal about 1 peck.

Allow 1 pound of seed to each 100 feet of row. Place the seeds 2 to 3 inches apart in drills and about 2 inches deep. The rows should be about 1½ feet apart. Cultivate frequently around your Beans, but always when plants and land are dry. Thin so that Bean plants stand 4 or 5 inches apart. Plant a 10- to 25-foot row every two weeks, starting around May 1 and continuing until August 10.

Snap Beans begin to yield about 8 weeks after sowing. A 25-foot row should yield 25 pounds or more of Beans (pods).

Follow-up Crops

For succession cropping, Beans may follow, or be followed by lettuce, turnips, beets, cabbage, onions.

Green-Pod Bush Beans

122 Top Crop. All-America Gold Medal for 1950. Vigorous plant, resistant to mosaic. Prolific yielder of straight, round-section pods, tender, of splendid flavor and with no strings. Ready in 50 days. New variety, developed by the U.S. Dept. of Agriculture. Pkt. 25 cts., 5 pkts. \$1.10.

2A 116 Ranger. ★ All-America Bronze Medal Winner for 1948. Produces an abundance of exceptionally fine-quality stringless round pods. Disease-resistant. Plant is of spreading half-runner type. Pkt. 20 cts., ½ lb. 45 cts., lb. 75 cts., 5 lbs. \$3.50.

2A 120 Supergreen. Winner, Bronze Medal, All-America Seed Selections for 1948. A medium to late, high-quality variety; long slender, round-section pods, absolutely stringless and of superior flavor. Disease-resistant; 15 inches high. Pkt. 20 cts., ½ lb. 45 cts., lb. 80 cts., 5 lbs. \$3.75.

2A 114 Longreen. High Winner for 1946 in the All-America Seed Trials. Pods 1 inch longer than other modern sorts, round, meaty, with no fiber or strings; their flavor is the best. The large plant seems harder and a more certain cropper. Pkt. 15 cts., ½ lb. 40 cts., lb. 70 cts., 5 lbs. \$3.25.

2A 115 Plentiful. Similar to Bountiful, but thicker, longer, straighter, darker, and more nearly stringless. Matures in 50 days and is resistant to rust. Pkt. 15 cts., ½ lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

2A 117 Streamliner. Robust, resisting cool weather; the abundant, flattish pods average 7 inches in length, are stringless. You may let the seeds ripen; they are white and make excellent Shell Beans. Pkt. 15 cts., ½ lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

2A 121 Tendergreen. ★ Handsome, 6-inch round-podded Beans, without strings and of melting flavor. Pkt. 15 cts., ½ lb. 40 cts., lb. 70 cts., 5 lbs. \$3.25.

2A 110 Bountiful. Very prolific and a continuous bearer. It is tender, of delicious flavor, and stringless if the flat pods are gathered when no more than 4½ inches long. Bountiful is resistant to rust. Pkt. 15 cts., ½ lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

2A 119 Stringless Green-Pod. ★ Splendid first-early round-podded sort. Entirely stringless; 5 inches long, slightly curved. ½ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

2A 118 Stringless Black Valentine. ★ A heavy yielder of stringless, green, pencil-shaped, thick Beans of finest flavor. Pkt. 15 cts., ½ lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

113 Keystonian. ½ lb. 40 cts., lb. 70 cts., 5 lbs. \$3.25.

111 Dwarf Horticultural. ½ lb. 40 cts., lb. 70 cts., 5 lbs. \$3.25.

112 Giant Stringless Green Pod. ½ lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

Wax-Pod Bush Beans

2A 154 Puregold. ★ All-America Bronze Medal Winner for 1948. Pods nearly 6 inches long, slender, pencil-round, stringless, and with wonderful flavor. Resists mosaic disease. 58 days. Pkt. 20 cts., ½ lb. 45 cts., lb. 75 cts., 5 lbs. \$3.50.

2A 152 Cherokee Wax. ★ All-America Winner for 1948. Splendid new golden yellow variety with stringless oval-section pods. Hardy, vigorous and medium-early; prolific, meaty and of very fine flavor. Pkt. 20 cts., ½ lb. 45 cts., lb. 75 cts., 5 lbs. \$3.50.

2A 156 Sure-Crop Stringless Wax. Large, sturdy plant bearing an abundance of handsome, golden yellow pods which are quite stringless. Resistant to rust. Pkt. 15 cts., ½ lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

2A 151 Brittle Wax. ★ The earliest Wax Bean; also a great cropper. Pods are fleshy and entirely stringless. They are of fine flavor, round and solid, tender, and brittle. Pkt. 20 cts., ½ lb. 45 cts., lb. 75 cts., 5 lbs. \$3.50.

2A 153 Golden Wax. Large, flat-section pods, stringless, tender and of excellent flavor. ½ lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

150 Black Wax. ½ lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

★ Kinds so marked suitable for Quick Freezing

Asparagus Roots

A plot 8 feet by 50 feet will take 100 roots; enough for an ordinary family. Work under manure, or Humus, and General Garden Fertilizer, and dig a trench about 1 foot deep. Lay the plants 18 inches apart, spreading the roots outward and downward; and cover about 6 inches. As the plants grow, gradually fill the trench to the surface. Between the rows allow 18 inches, and let the plants grow two full seasons before cutting.

2A 109 Paradise. ★ Fine few variety. Heavy producer of very large stalks. 2-yr. roots, \$2 for 25, \$7.50 per 100, \$70 per 1000.

Mary Washington. ★ Rust-resistant and vigorous. Colossal dark green shoots with a purple overtone. **2A 107 Large** 2-yr. crowns, \$1.50 for 25, \$5.50 per 100, \$50 per 1000. **2A 108 3-yr.** crowns for forcing, \$2 for 25, \$7.50 per 100, \$70 per 1000.

Purchaser pays transportation on Asparagus Roots.



Mary Washington
Asparagus

Asparagus Seed

One ounce sows 100 feet of drill; transplant to 12 inches. Takes 3 years.

2A 106 Mary Washington. ★ Seed, pkt. 15 cts., oz. 35 cts., ½ lb. 85 cts., lb. \$2.25.

For Your Convenience
You may now order your Seeds, Bulbs and Plants by number. And you can omit the quantity, if you wish—merely give the number and value. For example, 2A110—35 cts. is clear to us that we may send you ½ lb. Bountiful Beans.



The longer-podded Longreen Bean

Refugee Beans for Eating Fresh or for Canning

Sow in summer for late crop

2A 137 Stringless Refugee. ★ A very heavy cropper; its flavor is wonderful and it is absolutely stringless. Valuable for immediate use for pickling or for canning. ½ lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

MORE BEANS

on next page

See page 104 as to transportation

Broccoli

Cooks in twenty minutes, without unpleasant cooking odor. Sow indoors in March, and plant out 24 inches apart. One ounce produces 3000 plants. Sow in July for autumn.

A 25-foot row should give you a total of 3 bushels of healthful food.

2A 240 Italian Market. ★ Bluish green. First produces a large king or center head, followed by a good yield of smaller heads from lateral shoots. It will bear for many weeks. Pkt. 25 cts., 3 pkts. 60 cts., ½ oz. 90 cts., oz. \$1.50.

GLOBE ARTICHOKE (*Cynara Scolymus*). One ounce produces 500 plants. The flower buds are eaten boiled or raw. Sow indoors, and set out in May in 3-foot rows with 2 to 3 feet between the plants. Mulch over winter in the North. Usually bears second year.

101 Large Green. Pkt. 25 cts., 3 pkts. 60 cts., oz. \$1.25.

2A 102 JERUSALEM ARTICHOKE (*Helianthus tuberosus*). Potato-like tubers. Plant in 3-foot rows, a foot apart in the row; cultivate occasionally. Lb. 50 cts., 5 lbs. \$1.75, 25 lbs. \$7.50, 100 lbs. \$25.

Purchaser pays transportation on Artichoke Roots.

The Vitamins and Minerals

ASPARAGUS. Furnishes vitamin B₁; also phosphorus and copper.

BEANS. They supply vitamins A and G; also phosphorus and copper.

BROCCOLI. Outstanding as a supplier of vitamin A, and an excellent one of vitamin G. High in calcium, phosphorus and copper.

COLLECTIONS OF VEGETABLE SEEDS ARE DESCRIBED ON PAGES 18 and 23

DWARF LIMA BEANS

One pound will plant 50 to 100 feet of drill. Yield in from 12 to 14 weeks.

2A 177 Triumph. ★ 1949 All-America Silver Medal. Developed by Drs. Magruder and Wester of U. S. Plant Industry. Thick-seeded Baby Lima type. Has more quality and flavor than other heavy-yielding small-seeded types. Green seeds give it a fresher appearance in canning and freezing. Pkt. 20 cts., $\frac{1}{2}$ lb. 45 cts., lb. 80 cts., 5 lbs. \$3.75.

176 Peerless. ★ Clusters of rather short pods, holding from 2 to 3 medium-size green Beans that are unexcelled for flavor. Honorable Mention in All-America Seed Trials for 1948. Pkt. 20 cts., $\frac{1}{2}$ lb. 45 cts., lb. 80 cts., 5 lbs. \$3.75.

2A 172 Fordhook 242. ★ An All-America Seed-Trials Winner. Like Fordhook, the Beans are thick, fleshy, of medium size—the true “potato” type. Yields are outstanding, and first pickings of Two-forty-two are very large. Quality is high. Pkt. 20 cts., $\frac{1}{2}$ lb. 45 cts., lb. 75 cts., 5 lbs. \$3.50.

2A 173 Fordhook. ★ A dwarf form of the Challenger or Potato Lima, and earlier. Pods measure 4 to 5 inches, frequently containing 4 fine Beans of medium size, thick, meaty and very tender. Pkt. 15 cts., $\frac{1}{2}$ lb. 40 cts., lb. 70 cts., 5 lbs. \$3.25.

2A 171 Early Giant. ★ The short period in which this Bean matures, allows it to be grown for succession, sowings being made from May 15 to July 10 near New York. The flavor is refined, and the luscious Beans, which are large, thick, and flat, are produced in remarkable quantity. This variety is especially recommended. Pkt. 20 cts., $\frac{1}{2}$ lb. 45 cts., lb. 80 cts., 5 lbs. \$3.75.

2A 174 Henderson Bush. Pods and Beans are small, but plentiful. Pkt. 15 cts., $\frac{1}{2}$ lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

170 Baby Potato. Pkt. 15 cts., $\frac{1}{2}$ lb. 45 cts., lb. 75 cts., 5 lbs. \$3.50.

175 Improved Bush. $\frac{1}{2}$ lb. 45 cts., lb. 75 cts., 5 lbs. \$3.50.

POLE LIMA BEANS

One pound will plant 50 hills. Yield in from 13 to 15 weeks.

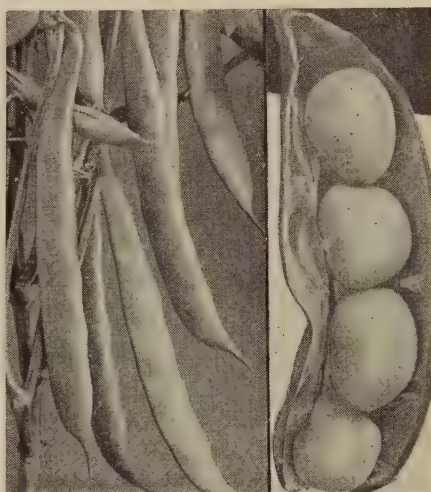
2A 183 Green-seeded. Vigorous, runners producing many broad pods closely filled with large Beans, many of the pods containing four. Nearer to having every Bean perfect than others. The distinctive green tint is retained in the dry state. Finer-flavored and more tender than white-seeded Beans. Pkt. 20 cts., $\frac{1}{2}$ lb. 45 cts., lb. 80 cts., 5 lbs. \$3.75.

2A 180 Challenger or Potato Improved. Early. A small thick Bean of excellent flavor. $\frac{1}{2}$ lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

184 King of the Garden. Beans flat, large. $\frac{1}{2}$ lb. 40 cts., lb. 70 cts., 5 lbs. \$3.25.

2A 181 Early Leviathan. Early variety with pods in clusters. Pkt. 15 cts., $\frac{1}{2}$ lb. 40 cts., lb. 70 cts., 5 lbs. \$3.25.

300 CARDOON. Grown like celery and served like asparagus. Sow in May, and transplant 3 feet apart. Three weeks before using, the heads are tied, straw is piled against them; soil is heaped against the straw to blanch them. Pkt. 25 cts., 3 pkts. 60 cts.



Pole Snap Beans

Early Giant Lima Beans

Broad (Fava) Beans

Differ from American types in that they do best in cold weather; light frost does them no harm, and they should be planted *early*. Select strong land and spray continuously against aphid and blight. Not recommended for the home-garden.

2A 135 English Windsor. Heavy pods are produced in pairs with 3 or 4 large Beans in each. Tender and delicious. $\frac{1}{2}$ lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

How to Grow Lima Beans

Don't waste your seed by sowing Lima Beans before all danger of frost is over and the soil is thoroughly warm. Sow Bush sorts in rows 2 feet apart and about 2 inches deep, putting the Beans 3 inches apart in the row, “eye down,” later thinning so that the plants stand 6 to 8 inches apart. For Pole varieties put 6 seeds in each hill, arranging the hills 3 feet apart each way. They require a pole 7 feet high, and when the vines have reached the top, pinch them and so increase the yield. Some gardeners plant under glass and transplant about the time seeds are usually sown. Limas always do best on a nice, rich, loamy soil. Surplus stock may be ripened on the vines, the Beans dried and kept for winter.

Lima Beans take almost the whole season to grow. You cannot plant them for succession, except Early Giant. A good idea is to first sow an exceptionally quick crop, like radish, mustard or spinach, dig when harvested and then sow Limas.

One pound of seed plants 50 to 100 feet of drill or 50 hills.

Should you notice your plants being spotted or spoiled by blight or fungus (and this applies to Snap Beans also), pull out each affected plant and burn it; this does not often happen. But you are very likely to find damage by the Mexican bean beetle. In the soil around the plants you may see the mature beetle, like a spotted, rather large yellow lady bug. Under the leaves are clusters of the orange-yellow eggs, with the yellow, spiny larvæ that hatch from them. The leaves will be eaten into lacy designs, the larvæ eating the leaves, but leaving the veins. Hurry and dust your plants with Hortex, or spray them, especially the under side of the leaves, with Rotene.

A 25-foot row or ten hills should supply 25 pounds or more of Lima Beans (pods). They furnish vitamins B₁, C and G; also phosphorus, copper and some iron.

★ Kinds so marked suitable for
QUICK FREEZING

POLE SNAP BEANS

One pound plants 200 hills.

The flavor and quality of these types of Bean are very high. Grow them if you have the room. Erect stout poles 3 feet apart; sow 8 Beans in a circle around the base after danger of frost has passed; thin to 5 plants per pole. Or you may grow them against a wire fence, allowing 1 pound per 100 feet.

2A 141 Old Homestead (Green Kentucky Wonder). ★ The pods are tender, stringless when young and silvery green, hanging in clusters throughout the plant. Begins to yield in ten weeks, and thereafter is a continuous bearer. Pkt. 15 cts., $\frac{1}{2}$ lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

2A 142 Scarlet Runner. Decorative scarlet flowers. The green pods, though containing strings, are probably the best flavored of any Bean. Pkt. 15 cts., $\frac{1}{2}$ lb. 40 cts., lb. 70 cts., 5 lbs. \$3.25.

2A 143 Yard-Long Asparagus. A remarkable Bean, yielding narrow rounded pods of enormous length. Excellent quality. Pkt. 20 cts., $\frac{1}{2}$ lb. 55 cts., lb. \$1.

Beans for Growing Under Glass (DWARF)

These are of interest only to the professional gardener anxious to produce a crop out of season in a greenhouse.

131 The Prince. New quick sort; cropping enormously. Stringless, meaty, of fine flavor, 11 to 12 inches long. Pkt. 20 cts., $\frac{1}{2}$ lb. 55 cts., lb. \$1, 5 lbs. \$4.75.

130 Masterpiece. Strong, quick, and very prolific. Seven-inch, straight, tender, thick-flat, meaty and stringless. $\frac{1}{2}$ lb. 45 cts., lb. 80 cts., 5 lbs. \$3.75.



Brussels Sprouts

BRUSSELS SPROUTS. Source of vitamins B₁, C, and G. High in phosphorus and copper. One ounce will produce about 3000 plants; 30 to 50 plants suffice for an average family. Yields within 14 weeks of sowing seed. Sow thinly outdoors; transplant when 4 inches, 2 feet apart. Keep the soil well cultivated all summer; in October begin gathering the sprouts. A 25-foot row should give you 20 quarts or more.

250 Favorite. Half-dwarf, covered with tight sprouts. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10, oz. \$1.50, $\frac{1}{4}$ lb. \$4.50.

RED BEETS

One ounce will plant 100 feet of drill and should yield 100 pounds or more of roots. Allow 5 to 6 pounds of seed per acre. Ready in from 8 to 11 weeks.

THEY ARE EASY TO GROW and pay well for the space they occupy. Seed may be sown $\frac{1}{2}$ inch deep at two-week intervals from early spring to mid-July. The ground should be spaded well and deep, placing rows about 12 inches apart. Cover the seed carefully and firm in the ground by walking over the drills. When seedlings appear about 3 inches above ground, thin out to about 3 inches between the plants so as to give ample room for the proper development of the roots. Thinnings make excellent boiled greens. Beets are best for pulling when about 2 inches in size.

A few seeds of Radish sown in with the Beets will come through first, marking clearly the row and showing you where to start hoeing. Pull Radishes when they are mature; your crop of Beets will not be reduced by this two-kinds-in-one-row scheme.

Beets may be kept for winter use in boxes of sand in a cool cellar, or in a pit outdoors. Or they may be preserved or pickled.

Beets are nourishing and are an excellent source of copper. The tops or greens are especially valuable, supplying vitamins A, B₁, C and G, along with calcium and iron.



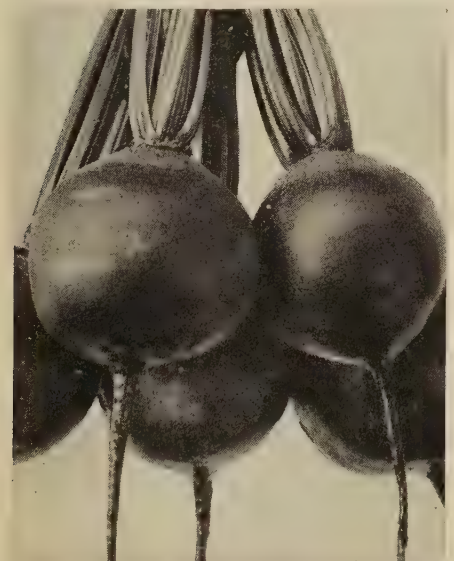
Improved Wonder Beet

208 Improved Wonder. Has the qualities of Early Wonder, but has, in addition, a fine darker-colored flesh, exceptionally tender and sweet. Pkt. 20 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

204 Early Wonder. May be sown early, and will mature very rapidly. Uniform in growth; can be lifted at one time. The root is nearly globular in shape, slightly flattened. The leaves are of medium size, and the color of the flesh is deep blood-red; sweet and free from strings. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

200 Crimson Globe. In about 70 days from planting, one-fourth of the Beets will be ready for table use. They do not all mature at the same time, thereby lengthening the period of harvesting and making it an ideal home-garden sort. Flesh bright red with light purple zones. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

2A 206 Good for All or Baby Detroit. Fine flavor, not earthy or woody. Uniform in shape, regular in size and color. A perfect globe. Foliage is sparse and short—barely a foot—and red-gray-green. Flesh is very free from rings or zones, being a uniform deep crimson-vermilion. Pkt. 20 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.



Good for All Beets

2A 201 Crosby's Original Egyptian. The smooth, dark red roots have light green foliage, speckled with red. The flesh is carmine with white zones, very tender and of sweet quality. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

2A 205 Extra-Early Egyptian. A variety which grows very quickly, producing roots of fine quality, flat and smooth. They are pulled when 2 inches in diameter. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

210 Winter Keeper. A distinct main-crop Beet. Excellent flavor, well preserved during winter storage in a cellar or pit. Handsome top-shaped, tapering somewhat toward the root. The flesh is dark red, sweet and tender. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

2A 203 Detroit Dark Red, Exhibition Strain. This is specially reselcted for depth of color, uniformity of shape, and general refinement. It is developed particularly to meet the requirements of the exhibitor and market gardener. Pkt. 20 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.55, lb. \$3.75.

2A 202 Detroit Dark Red. The round, dark red globe roots are uniformly smooth. The flesh of the very young Beets is almost black-red, turning to dark crimson with dark purple zones as the Beets grow larger. Very sweet. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

SUGAR BEET and COW BEET (Mangel)

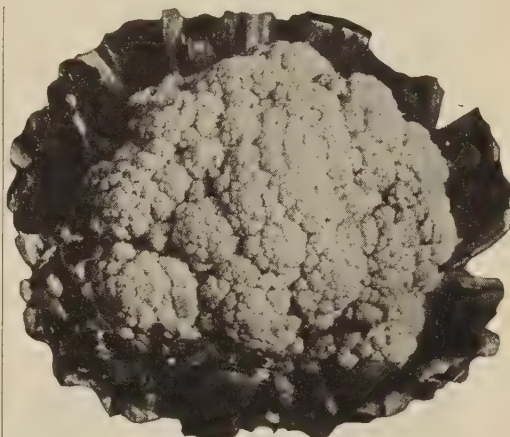
Palatable, easily stored, readily digested and nutritious animal food. Roots produced in large quantities; may be stored into winter in root-cellars or outdoor pits. Sow in drills 30 inches apart, thin to 12 inches. 6 to 8 pounds per acre in spring.

2A 232 Klein Wanzleben Sugar Beet. High sugar content. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2, 10 lbs. \$18.50.

2A 233 Mammoth Long Red Mangel. Roots are enormous, uniform in shape, smooth and clean, with small top-growth. May grow 3 feet long. $\frac{1}{4}$ lb. 60 cts., lb. \$1.75, 10 lbs. \$16.

2A 231 Half-Sugar Rose Mangel. Long root with pink skin and white flesh. $\frac{1}{4}$ lb. 60 cts., lb. \$1.75, 10 lbs. \$16.

230 Golden Tankard Mangel. Yellow flesh. $\frac{1}{4}$ lb. 60 cts., lb. \$1.75, 10 lbs. \$16.



Best of All Cauliflower

CAULIFLOWER

One ounce will produce about 3000 plants. From 10 to 14 weeks from seed to harvest.

Outstanding source of vitamin B₁; good one of C; fair source of G. High in phosphorus.

Sow 1 inch deep in February or March in a hot-bed and transplant in April. Have the plants 2 feet apart in rows $2\frac{1}{2}$ feet from each other. Rich soil is essential. Outdoors sow the first week in May and transplant in July. When the flower is the size of an egg, tie the leaves together, or bend them to form a cover. For wintering under glass sow in September; transplant into a cold pit or frame; give plenty of air in mild weather, and cover up well when conditions are severe.

2A 351 Best of All. ★ The easiest to grow. The plant is dwarf, stocky, and erect. Fewer leaves enable it to be planted closer than usual. In suitable soil, every plant forms a large head. Pkt. 35 cts., 3 pkts. 90 cts., $\frac{1}{4}$ oz. \$1.75, oz. \$6.

2A 352 Early Snowball (Snowdrift). Wonderful, sure-heading, dwarf variety; outer leaves are small, hence it is particularly adapted to growing under glass, also for spring planting outdoors. Is, too, an excellent autumn sort, and very popular. Pkt. 30 cts., 3 pkts. 80 cts., $\frac{1}{4}$ oz. \$1.50, oz. \$4.50.

2A 353 Extra-Early Dwarf Erfurt. Because of its exceedingly dwarf habit and rapidity of growth, this variety is desirable for forcing under glass; also suitable for the open ground. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{4}$ oz. \$1.25, oz. \$4.

2A 354 Italian Purple. Head purple, cooking to green; in flavor similar but superior to broccoli and cauliflower. Quick growing and disease-resistant. May be sown under glass and transplanted, or outdoors in June for an autumn crop. Pkt. 35 cts., 3 pkts. 90 cts., $\frac{1}{4}$ oz. \$1.65, oz. \$5.50.

2A 387 GEORGIA COLLARDS. A leafy plant with a large loose head which is served boiled and tastes like cabbage. Sow early in spring or early in autumn. Outstanding source of vitamin C; good one of A and G; fair source of B₁. High in calcium and phosphorus, with some iron. One ounce will produce about 3000 plants. About 5 weeks from seed to cutting. A 25-foot row should give you a total of $2\frac{1}{2}$ bushels of produce. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.25.

★Kinds so marked suitable for
QUICK FREEZING

CABBAGES

When served raw or not cooked over-long, Cabbage is a valuable food. An excellent source of vitamin C, and an outstanding one of calcium, with some phosphorus.

Sow early kinds 1 inch deep indoors in February and March, and in the open ground during April and May. Late varieties for fall and winter use should also be sown in May. Early sorts may be planted in rows 2½ feet apart, with 18 inches between plants in the row; late kinds should stand 2½ feet each way. To be well grown Cabbages require a deep, rich, loamy soil but should it be too rich some late kinds may show signs of bursting. If this occurs, push the plants over to one side and so check their growth.

One ounce will produce about 3000 plants



Golden Acre Cabbage

Early and Midseason Sorts

Yield in from 10 to 12 weeks

263 Golden Acre. A small but very fine variety. Early, and with round, solid, well-blanching heads. The few outer leaves are small, permitting close planting. Pkt. 15 cts., 3 pkts. 40 cts., oz. 80 cts., ¼lb. \$2.25.

264 Improved Early Jersey Wakefield. The heads are hard, solid, and pointed, with just a few outside leaves. Pkt. 10 cts., 3 pkts. 25 cts., oz. 65 cts., ¼lb. \$1.75.

261 Copenhagen Market. The stem is short, the head round and solid. Heaviest of the early varieties, and up to 10 pounds. Leaves small and compact, so it will stand close planting. The inside is fine-grained and tender. Pkt. 15 cts., 3 pkts. 40 cts., oz. 75 cts., ¼lb. \$2.

265 Succession. A splendid second-early, round-headed sort. Pkt. 15 cts., 3 pkts. 40 cts., oz. 75 cts., ¼lb. \$2.

266 Yellow-Resistant Globe. Similar to Copenhagen Market and a few days later. Specially bred to resist disease. Pkt. 20 cts., 3 pkts. 50 cts., oz. 90 cts., ¼lb. \$2.50.

290 Famous Early Conical. Quick, cone-shaped, and very distinct. Ideal for private gardens, requiring less space than most and heads sooner. Pkt. 20 cts., 3 pkts. 50 cts., oz. \$1.30, ¼lb. \$3.75.

Late Cabbage

Yield in from 14 to 16 weeks

2A270 Danish Ballhead. A large Cabbage. The round heads are very solid, fine-grained and sweet-flavored. Pkt. 15 cts., 3 pkts. 40 cts., oz. 80 cts., ¼lb. \$2.25.

2A 272 Large Late Flat Dutch. Fine for winter use. One of the most reliable sorts; produces immense heads of the finest quality. Splendid keeper. Pkt. 10 cts., 3 pkts. 25 cts., oz. 55 cts., ¼lb. \$1.65.

We deliver Vegetable Seeds free anywhere in the U. S. at prices shown in this catalogue.



American Drumhead Savoy Cabbage

Savoy Cabbage

Yields in from 12 to 13 weeks

2A 280 American Drumhead Savoy. The round, wrinkled heads are solid, large, and well shaped. In table quality they resemble the better garden Cabbages. Pkt. 15 cts., 3 pkts. 40 cts., oz. 85 cts., ¼lb. \$2.40.

Red Cabbages

Yield in from 11 to 15 weeks

2A 285 Early Red. The earliest red; 25 days quicker than Mammoth Rock. Plants are smaller and compact, the heads medium size, round, very hard. Deep red. Pkt. 20 cts., 3 pkts. 50 cts., oz. 90 cts., ¼lb. \$2.50.

2A 286 Mammoth Rock Red. The largest Red Cabbage. The plant is handsome, with numerous spreading leaves, large, round, and very solid heads. Pkt. 15 cts., 3 pkts. 40 cts., oz. 80 cts., ¼lb. \$2.25.

Chinese or Celery Cabbage

A desirable vegetable, nearer to mustard than Cabbage, palatable and healthful. A cool-weather crop; sow very early in spring; better still, in August for late autumn cropping.

296 Wong Bok. A very compact plant, short and broad. Needs less space in the garden. Pkt. 15 cts., 3 pkts. 40 cts., oz. 75 cts., ¼lb. \$1.75.

297 Pe-Tsai. (Chihli Strain.) Looks like a long Cos Lettuce. Pkt. 15 cts., 3 pkts. 40 cts., oz. 75 cts., ¼lb. \$1.75.

295 Michihli. A sure-heading Chihli type. Uniform, trimmed heads are well blanching, firm, tender and fine flavored. Pkt. 20 cts., 3 pkts. 50 cts., oz. 90 cts.



Chinese Cabbage: Wong Bok (left) and Chihli. (Outer leaves have been removed.)

CUCUMBERS

Fair source of vitamin G

Sow 8 seeds in a group or "hill" the size of a dinner-plate. Hills are flat unless the land is over-moist, when they may be 3 inches above the general level; and they should be at least 4 feet apart each way. After mid-May, sow at two-week intervals until mid-July. Thin to 3 plants per hill.

One ounce seeds 50 hills, 2 pounds an acre. Yield in about 9 weeks. Expect 6 Cucumbers per plant.

2A 457 Marketer. Of recent introduction, producing very dark green, cylindrical fruits, 7½ to 8 inches long, tapering slightly at the ends. Vines vigorous and prolific. An excellent market variety. Pkt. 15 cts., oz. 40 cts., ¼lb. \$1.25.

450 A and C. New and better white-spine. Ten inches long, and small seed cavity. Crisp, solid flesh. Pkt. 15 cts., oz. 40 cts., ¼lb. \$1.25, lb. \$3.

2A 461 Straight-8. A new green Cucumber of excellent quality, without lighter striping. About 8 inches long and 1½ inches through, symmetrical and uniform. Pkt. 15 cts., oz. 40 cts., ¼lb. \$1.25, lb. \$3.

2A 458 New Davis Perfect. Dark, glossy green, slim and symmetrical, 10 to 12 inches long. Brittle and of good flavor. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$2.50.

2A 454 Improved Early White Spine. Fruits slightly pointed, smooth and deep green; white lines at the blossom-end. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$2.50.

2A 453 Extra-Long Green. About 1 foot in length, of excellent quality. Pkt. 15 cts., oz. 40 cts., ¼lb. \$1.10, lb. \$2.75.

2A 456 Longfellow. A long, slender, very dark white-spine Cucumber, desirable for outdoor planting as well as forcing. Pkt. 15 cts., oz. 40 cts., ¼lb. \$1.10, lb. \$2.75.

460 Staysgreen. Reliable and popular commercial white-spine variety. It holds well its beautiful medium dark green color and ships well. The fruits are 8 to 9 inches long, straight, smooth, and crisp. Pkt. 15 cts., oz. 40 cts., ¼lb. \$1.10, lb. \$2.75.

459 Oriental Climbing. Distinct climbing sort to train on pole or fence. Good for pickling or slicing. The fruit is about 1 foot long, smooth and dark green. Pkt. 15 cts., oz. 40 cts., ¼lb. \$1.25, lb. \$3.

455 Green Prolific (Boston Pickling). For pickling, because small. For slicing also. Pkt. 10 cts., oz. 30 cts., ¼lb. 90 cts., lb. \$2.25.

451 Cool and Crisp. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$2.50.

462 West India Gherkin (Cucumis Anguria). Pkt. 15 cts., oz. 40 cts., ¼lb. \$1.25, lb. \$3.



Staysgreen

Greenhouse Cucumbers

Their culture is exacting; they are of interest to professional gardeners with adequate facilities.

2A 470 Improved Telegraph. (Imported Seed.) Very dark green, long and straight. Pkt. (25 seeds) \$1, 3 pkts. \$2.75.

2A 471 Forcing White Spine. Similar to the outdoor White Spine but larger. Grows freely under glass; early, prolific and robust. Pkt. (25 seeds) 25 cts., 5 pkts. \$1.

CARROTS

Well known to be a good source of vitamin A, the eyesight vitamin. Palatable and nutritious when eaten raw. Easy to grow; so attractive that many edge their flower gardens with them.

Sow from April to July in drills $\frac{1}{2}$ inch deep and 15 inches apart; thin out to 2 inches. Radish seed may be sown along with Carrot to give you two crops from the same row, and the Carrots may be stored over winter the same way that beets are. See under Beet on page 9.

One ounce will plant 100 feet of drill, and should yield 100 pounds or more of produce.



Rubicore Carrots

Best Early Kinds

Yield in from 9 to 10 weeks

- 317 **Rubicore.** ★ A new, early Carrot, deep orange-red, and the small core is almost the same color, tender and sweet—as “coreless” as a Carrot can be. Roots are 6 inches long, $2\frac{1}{2}$ inches at the shoulder, narrowing to a blunt end. Pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.65, lb. \$4.
- 318 **Selected Chantenay.** ★ Quick to grow, it averages $5\frac{1}{2}$ to 6 inches in length, broad at the neck, narrowing gradually to a blunt end. The flesh is rich orange-red, free from core, tender, fine flavored, and of excellent table quality. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.30, lb. \$3.
- 2A 312 **Greater Chantenay.** All the palatability, tenderness, fine color, and speed of our regular strain of Chantenay, but the roots are $1\frac{1}{2}$ inches longer. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.25.
- 2A 314 **Melting Marrow.** ★ A fine half-long variety, cylindrical and of wonderful butter quality. Skin is smooth and the fine red color is carried through the entire root. Pkt. 20 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$1.85, lb. \$5.
- 311 **French Forcing.** For under glass. Globe-shaped orange-red root. Pkt. 20 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$1.85, lb. \$5.
- 313 **Half-Long Scarlet Nantes.** ★ The skin is smooth, flesh red; coreless. Pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.65, lb. \$4.
- 2A 315 **Oxheart or Guerande.** Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.30, lb. \$3.

Two Carrots for Prize Winning

- 331 **Exhibition Danvers** and 330 **Exhibition Chantenay.** Selected for perfect shape, uniformity and size. For those who want the best. Price each, pkt. 20 cts., oz. 60 cts., $\frac{1}{4}$ oz. \$1.75, lb. \$5.

FIELD CARROTS

Especially valuable for horses. Sow 4 pounds per acre from May 15 to July 1.

- 342 **Mammoth White Belgian.** $\frac{1}{4}$ lb. 75 cts., lb. \$2.25, 10 lbs. \$21.
- 2A 340 **Danvers Cattle.**
- 2A 341 **Long Orange Cattle.**
- Above 2, $\frac{1}{4}$ lb. \$1, lb. \$2.75, 10 lbs. \$26.

Late Varieties

Yield in from 11 to 13 weeks

- 2A 320 **Imperator.** Rich red color, of high culinary quality, free of core and fiber. An elongated Danvers type, round-shouldered, almost cylindrical for the first 6 inches, then gradually tapering to a point. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$3.75.
- 325 **Streamliner.** Its deep color, with a slightly deeper core, its tenderness and its sweet flavor commend it to the home gardener. It is easier to pull, bunch, and wash, and it looks wonderful, so it just fits the marketman's requirements also. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$3.75.
- 2A 324 **Selected Danvers.** A handsome, cylindrical-shaped Carrot of good size and stump-rooted. It is of a rich, dark orange color, of excellent table quality, smooth, and has little core. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.25.
- 2A 326 **Tendersweet.** Gradually tapering, handsome, blunt-ended roots, about 9 inches long, and fine, deep orange-red in color. They are exceptionally sweet, tender and of high quality. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$3.75.
- 2A 321 **Selected Long Orange Improved.** One of the most desirable for either garden or field culture; it grows to a large size, fair specimens averaging 12 inches in length and 3 inches in diameter at the top. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.30, lb. \$3.
- 323 **New Red Intermediate.** The core is small and very tender. Flavor is excellent. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.25.
- 2A 380 **CHERVIL, Moss Curled Extra.** One ounce plants 150 feet of drill. Treat like parsley; for garnishing, or flavoring soups, salads. Pkt. 20 cts., oz. 75 cts.
- 2A 383 **CHICORY, Witloof** (French Endive). Sow in spring. Roots are lifted in fall and planted during winter in a cellar or under a greenhouse bench, so that the root is 9 inches below the top. Fill level with sand or manure; through this the Witloof appears in a month. Pkt. 20 cts., 3 pkts. 50 cts., oz. \$1, $\frac{1}{4}$ lb. \$2.75.
- 2A 382 **Large-rooted Magdeburg.** Ingredient in French coffee; young shoots provide excellent spring salad. Pkt. 15 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$1.75.

- 2A 445 **CRESS, Curled or Pepper Grass.** Seedlings used for salads and sandwich filling. Good house-grown crop. Scatter seeds on fine soil and press—do not cover. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50; lb. \$4.
- 2A 446 **WATER CRESS.** Mix packet of seeds with a pint of moist soil (one ounce in 4 quarts), roll into half-inch marbles. Push a marble here and there into the mud just under the water-level of your pond or slow stream. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10, oz. \$1.50.

★ Kinds so marked are suitable for QUICK FREEZING

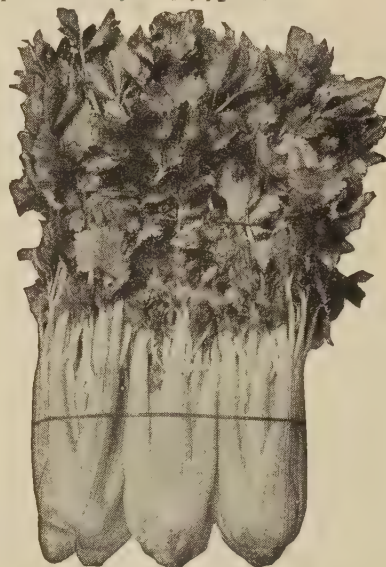
CRISP CELERY

Once produces 3000 plants. Early sorts take 15 weeks, late sorts about 18 weeks after setting out.

Sow in March or outside in April or May and again in July. Transplant to 6 inches apart. Rows often are double, the rowlets 6 inches from each other. Rows or double rows 3 feet apart. Three weeks prior to harvesting, the plants should be boarded or wrapped and earthed to blanch. Celery is a fair source of calcium and phosphorus.

Early Quick-blanching Varieties

- 361 **Golden Plume.** Improvements over Golden Self-blanching are (a) superior flavor, (b) wonderful color, (c) resistance to disease (d) earlier maturity, (e) keeps better, (f) increased size. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{4}$ oz. \$1, oz. \$2.50.
- 362 **Golden Treasure.** Selection from Golden Plume—a taller type; the head thicker. Pkt. 30 cts., 3 pkts. 80 cts., $\frac{1}{4}$ oz. \$1.50, $\frac{1}{2}$ oz. \$2.75, oz. \$4.
- 365 **Summer Pascal.** Highest quality green Celery; short, heavy, nutty, brittle; stringless. Blanches in two weeks. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{4}$ oz. \$1.25, oz. \$3.50.
- 360 **Cornell No. 19.** A yellow self-blanching type good for main and late crops. Splendid flavor. Well-formed hearts; outer stalks long, smooth-ribbed, deeply rounded, stringless. Disease-resistant. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{2}$ oz. \$1.50, oz. \$2.50.
- 364 **Paris Golden Self-Blanching.** Compact, stocky, with golden green leaves. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., oz. \$1.50, $\frac{1}{4}$ lb. \$4.50.
- 363 **Improved White Plume.** Pkt. 15 cts., 3 pkts. 40 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.



Golden Plume Celery

Well-keeping Winter Celery

- 373 **Winter Queen.** Medium large, light green. Blanches well. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$3.50.
- 371 **Giant Pascal.** Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., oz. \$1.35, $\frac{1}{4}$ lb. \$3.75.

CELERIAC Turnip-rooted Celery or Knob Celery

Once sows 150 feet of drill, 3 pounds an acre.

- 378 **Large-Smooth.** White-fleshed, tender, and with the flavor of celery stalks. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., oz. \$1.50, $\frac{1}{4}$ lb. \$4.



Midget Corn needs little garden space, and the ears are about 4 inches long; each plant bears two to five of them

HYBRID SUGAR CORN

Corn is an excellent source of vitamin B₁ and an outstanding one of the mineral, phosphorus.

May be gathered daily from July to frost if you plant every three weeks, from May 1 through July 15. It is a good idea to use more than one variety.

Sow in rows 1 inch deep, placing the seeds 3 inches from one another in the drill; later thin the young plants to stand 9 to 12 inches apart. Allow 3 feet between the rows. Or sow in "hills" or groups 2 to 3 feet apart, the size of a dinner-plate, 7 seeds to each group; later thin to 3 plants per group.

Grow the midget closer. Rows may be 2 feet apart, thinning to 6 inches, or place hills 1½ to 2 feet apart and make them the size of a saucer.

One pound plants 200 feet of drill or 200 hills.

HYBRID CORNS

Noted for flavor, quick ripening, heavy yield and disease-resistance.

407 Flagship. ★ A new Hybrid Corn of proven quality, growing 7½ feet high and averaging two perfect 8-inch ears to a stalk, each with 12 to 15 rows of large tender yellow kernels. Exceptionally sweet. The tight husks resist earworm. Tall sturdy habit suggests that the maximum distances apart given above be followed. Ready for the kitchen 82 days after sowing. Pkt. 25 cts., 5 pkts. \$1.05.

402 Honey Cross. A first-early hybrid of wonderful table quality; probably the sweetest Corn you have ever eaten. It is good for market and for the backyard garden also. Resistant to disease. Ears long, 12- or 14-rowed, with light cream-yellow, medium broad kernels. 72 days. Pkt. 20 cts., ½ lb. 50 cts., lb. 90 cts., 5 lbs. \$4.

403 Lincoln Hybrid. Plants are 5 feet high, robust and very leafy. The 7-inch ears are well filled to the tips with 12 to 16 rows of bright yellow kernels. Tightly sheathed, they resist earworm and bacterial wilt. Ready in 83 days. Pkt. 15 cts., ½ lb. 45 cts., lb. 75 cts., 5 lbs. \$3.50.

406 Spancross (Extra Early). Stocky 4-foot plants yield in 66 days, 7-inch, 12-rowed ears, golden yellow and of fine quality. Resistant to wilt. Pkt. 20 cts., ½ lb. 45 cts., lb. 80 cts., 5 lbs. \$3.75.

Hybrid Sorts, continued

401 Golden Cross Bantam. ★ Has resistance to wilt, increased yield, ability to withstand adverse weather, uniformity, etc. Ears 7 to 8 inches long, 10- to 14-rowed. 88 days. Pkt. 15 cts., ½ lb. 45 cts., lb. 75 cts., 5 lbs. \$3.50.

400 Evergreen Hybrid (Late). Similar to Stowell's Evergreen, but sturdier and more disease-resistant. 93 days. Pkt. 15 cts., ½ lb. 45 cts., lb. 75 cts., 5 lbs. \$3.50.

Early Sorts (Non-Hybrid)

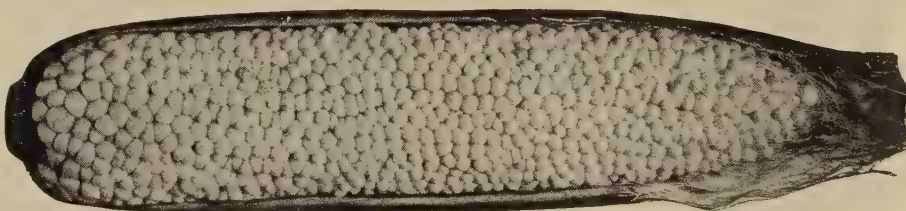
Yield in 10 to 12 weeks from planting

414 New Wonder Bantam. Grows 5½ feet high with 8-rowed, 9-inch ears and golden yellow, sugar-sweet kernels. More vigorous, more productive, and larger ears than Golden Bantam. 85 days. Pkt. 15 cts., ½ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

411 Golden Bantam. ★ Wonderful for flavor. 4 feet high. When ready the ears are creamy yellow. 79 days. Pkt. 15 cts., ½ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

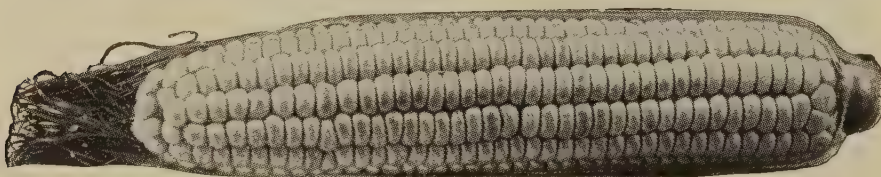
410 Black Mexican. ½ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

412 Golden Wedding. ½ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.



Country Gentleman Corn

496 HORSERADISH CUTTINGS. Mature roots are grated to furnish the familiar sauce served with meat, oysters and fish. Plant top of cutting 2 inches under ground. 75 cts. per doz., \$4 per 100.



Golden Cross Bantam Corn

Late Sorts (Non-Hybrid)

Yield in 13 to 15 weeks from planting

420 Country Gentleman. Very delicate flavor. Ear large, cob small, and pearly white kernels of great depth. 100 days. Pkt. 15 cts., ½ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

423 Stowell's Evergreen. The ears are of large size, grains deep, exceptionally tender and sugary. 100 days. Pkt. 15 cts., ½ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

See page 104 as to transportation of Corn

440 CORN SALAD, Large-leaved. One ounce will plant 150 feet of drill. Sow in early spring and early fall. The latest sowings may be wintered if lightly mulched. Pkt. 15 cts., oz. 65 cts., ½ lb. \$1.50.

481 DANDELION, Thick-leaved. Healthful boiled greens and a good salad. One ounce plants about 100 feet of drill. Have these drills 1 foot apart; thin the plants to 4 inches. May be blanched like endive. Pkt. 15 cts., 4 pkts. 50 cts., oz. \$1.25, ½ lb. \$3.25.

★ Kinds so marked suitable for QUICK FREEZING

MIDGET CORN— Unique and Delicious

Ready in 55 days

431 White Midget. Grows about 30 inches high and the ears are 4 inches long, but two to five are on a single stalk. White kernels are delicious. Generous pkt. 50 cts., ½ lb. \$1.25.

430 Golden Midget. A golden yellow form of our well-known Midget. Equally delectable; the plant is just as dwarf and the ear equally tiny. Generous pkt. 50 cts., ½ lb. \$1.25.

ENDIVE (Escarolle)

One ounce will plant 200 feet of drill and yield 250 heads; more when thinnings are transplanted. Ready 12 weeks after sowing.

Sow from mid-June to August in rows 15 inches apart; thin to 10 inches between plants. When fully grown, tie the outside leaves over the heart to blanch it; this will take a week.

Outstanding in vitamin A, good source of vitamin G, and a fair supply of calcium and iron.

492 Deep Heart. A fringed or curly type, but with the general broad-leaved habit of Escarolle. Well-filled heart, 10 to 12 inches across and 7 to 8 inches deep. Suitable for all market, estate and private gardens. Pkt. 15 cts., oz. 40 cts., ¼lb. \$1, lb. \$2.75.

493 Full-hearted Batavian (Escarolle). Of fine quality, closely resembling Broad-leaved Escarolle, but the head is more compact and full; it blanches easily. Pkt. 15 cts., oz. 40 cts., ¼lb. 95 cts., lb. \$2.50.

495 Green Curled Rose-ribbed. (Self-blanching.) Quick to mature and upright. Six inches apart, in rich soil, the plants crowd so that they blanch. Pkt. 15 cts., oz. 40 cts., ¼lb. 95 cts., lb. \$2.50.

494 Green Curled. The leaves are bright green, finely cut and crinkled. Blanching easily. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$2.25.

EGGPLANT

One ounce will produce about 1000 plants. Yield in about 11 weeks after planting out.

Sow during March indoors; plant out 2½ feet apart when fine weather has arrived. Or you can purchase plants in late May.

2A 488 New York Spineless. The fruits are large, round-oval, of a rich deep purple-black color and splendid quality. Free from spines. Often 10 large fruits to a plant.

484 Black Beauty. Early. Up to 6 large oval-globe "eggs" on a medium-size plant, dark purple and smooth.

487 Long Purple. Above 3, each, pkt. 15 cts., 4 pkts. 50 cts., oz. \$1.25 ¼lb. \$3.50

485 Early Beauty. Pkt. 20 cts., 4 pkts. 65 cts., oz. \$2.

KOHLRABI

Turnip-rooted Cabbage

Sow in early spring in rows 18 inches apart, and thin the plants to 6 inches. Sow again in summer. Delicious when about 2 inches in diameter.

One ounce will plant about 200 feet of drill, and yield over 200 pounds. Ready in 8 to 9 weeks.

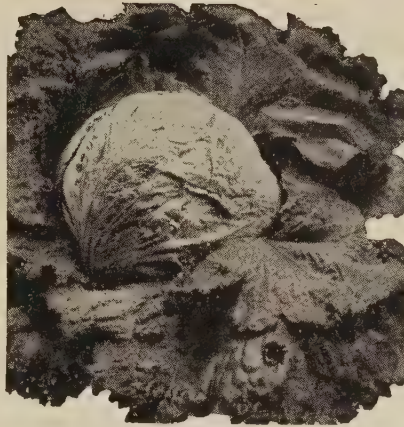
An excellent source of vitamin C; a fair one of G. Also contains phosphorus, copper and calcium.

500 Earliest Selected. The leaves are small, so may be used for forcing as well as for outside planting. Pkt. 20 cts., 3 pkts. 50 cts., oz. \$1.40, ¼lb. \$4.25.

502 White Vienna. 501 **Purple Vienna.** Above 2, each, pkt. 15 cts., 3 pkts. 40 cts., oz. 90 cts., ¼lb. \$2.50



Curled Scotch Kale



New York Lettuce

LETTUCE

Contains fair amounts of calcium, phosphorus and iron; as much vitamin A, B₁ (Thiamin) and C as milk; also vitamin G (Riboflavin.)

About the middle of March sow indoors. When seedlings are about 3 inches tall, transplant them to the garden, 1 foot apart.

As soon as the ground can be worked outdoors, sow early sorts. Thin to 12 inches apart.

One ounce will plant 400 feet of drill. Matures in from 10 to 12 weeks.

NEW YORK Wonderful or Imperial Types

The "Iceberg" Lettuce of the stores. Crisp, crumpled, with a creamy white heart. Use No. 44 for low land, black and rich; Nos. 12 and 515 if it is more loamy; 456 for summer use.

518 Progress. Developed at the Plant Industry Station at Beltsville, Md. Early, dark green, thick-leaved, heavily savoyed, crisp. Resistant to tip-burn. Pkt. 20 cts., 3 pkts. 50 cts., oz. \$1.

519 Pennlake. 1949 All-America Bronze Medal Winner. Developed at Penn State College. Slightly later and smaller than Great Lakes, but more refined and uniform. Pkt. 20 cts., 3 pkts. 50 cts.

512 Imperial 456. Large, well-formed heads of crisply curled leaves tightly folded. Resistant to tip-burn. Pkt. 15 cts., 3 pkts. 40 cts., oz. 80 cts., ¼lb. \$2.25.

513 Imperial 44. Stands heat. Mid-green thick leaves; creamy white head is firm and flattish. Pkt. 15 cts., oz. 55 cts., ¼lb. \$1.50, lb. \$4.

517 New York 12. Large; dark green, crisply curled, tightly folded; large head, well blanched, crisp and sweet. For spring and late summer. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.35, lb. \$3.75.

510 Great Lakes. Crisp cream-white head develops readily. Slow to bolt in summer. Pkt. 15 cts., 3 pkts. 40 cts., oz. 80 cts., ¼lb. \$2.25.

515 New York 515. Pkt. 15 cts., oz. 55 cts., ¼lb. \$1.50,

KALE or BORECOLE

497 Curled Scotch. Best after frosts. Sow in May, June or July; when large enough, transplant to 24 inches between plants. One ounce produces 3000 plants. Ready in about 12 weeks after setting out. Pkt. 15 cts., oz. 45 cts., ¼lb. \$1.25, lb. \$3.50.

498 Siberian Kale or Sprouts. Less curled; hardy and yields heavily. Pkt. 15 cts., oz. 40 cts., ¼lb. \$1, lb. \$2.75.

Other Heading Lettuce

520 Bibb. Medium size; quick. Leaves smooth, dark green; and the small firm head blanches to an appetizing cream. Pkt. 15 cts., 3 pkts. 40 cts., oz. 75 cts., ¼lb. \$1.75.

521 Big Boston. White seed. As an early spring variety it is reliable, and it is suitable for autumn growing also. Pkt. 15 cts., oz. 40 cts., ¼lb. \$1, lb. \$2.50.

511 Iceberg (California Simpson). Center ribs bend to the heart, keeping it thoroughly blanched. Pkt. 15 cts., oz. 45 cts., ¼lb. \$1.15, lb. \$3.

524 May King. Good early Lettuce, forming solid heads of bright green, the edges of the center leaves tinged brown; the heart is yellow and of ideal flavor. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$2.85.

526 Salamander Perfected. (Black-seeded Tennisball.) An excellent large summer variety, with tightly folded leaves covering the light golden center. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$2.85.

527 Thanksgiving Day. A fine-flavored Lettuce for summer sowing for a late crop. Outer leaves brown and fringed, but the firm, solid head is bright gold. Pkt. 15 cts., 3 pkts. 40 cts., oz. 80 cts., ¼lb. \$2.25, lb. \$5.50.

529 Unrivaled Summer. Quick-growing sort which forms large heads similar to White Boston. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$2.85.

525 Mignonette. Pkt. 15 cts., oz. 60 cts., ¼lb. \$1.50.

528 Tom Thumb. Pkt. 15 cts., oz. 60 cts., ¼lb. \$1.50.

Semi-heading Lettuce

2A 545 Oakleaf or Summer Triumph. The delicious small leaves shaped as the name suggests. Stands heat; is never bitter; always buttery and sweet. Pkt. 15 cts., oz. 60 cts., ¼lb. \$1.75, lb. \$4.25.

Loose-leaved Lettuce

2A 540 Black-seeded Simpson. Excellent outdoor variety. Pkt. 10 cts., oz. 30 cts., ¼lb. 90 cts., lb. \$2.50.

2A 541 Bronze Beauty. New, handsome and delicious. Winner Bronze Medal, All-America Seed Selections for 1947. Leaves indented and jagged, with a brown overtone. Crisp nutty flavor. Pkt. 20 cts., 3 pkts. 50 cts.

2A 542 Early Curled Simpson. Splendid curly-leaved sort. Pkt. 10 cts., oz. 30 cts., ¼lb. 90 cts., lb. \$2.50.

2A 543 Grand Rapids. There is no better forcing variety than Grand Rapids, and it is quite as good for outdoor culture. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$2.85.

546 Slobolt. Holds nearly three weeks after Grand Rapids or Simpson have shown a seed-stem. Leaves are savoyed and frilled. Pkt. 20 cts., oz. 65 cts., ¼lb. \$2.

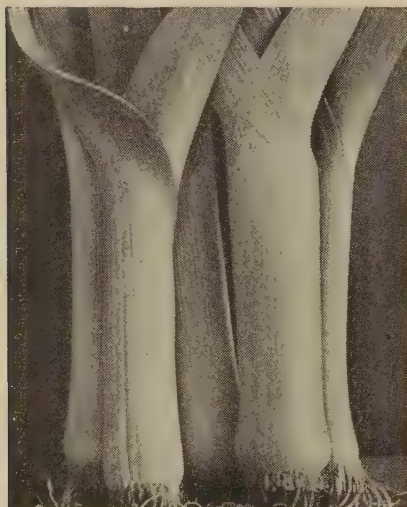
Cos or Romaine Lettuce

Upright-growing. About a week short of maturity, it is usual to draw the outer leaves together and tie them, blanching the inner heart.

551 Giant White Cos. Although this fine Cos Lettuce is large, the immense heart is crisp, tender, and excellent; self-closing. Pkt. 15 cts., 3 pkts. 40 cts., oz. 75 cts., ¼lb. \$1.75.

553 Paris White Cos or Romaine. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$2.85.

554 Trianon Self-Closing Cos. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$2.85.



Large American Flag Leek

LEEK

Mild onion-like plants served boiled. Sow in early spring outdoors and thin to 6 inches (or transplant them) in trenches 6 inches deep, in rich soil, 15 inches from trench to trench. Fill the trenches as the plants grow, and later draw soil up to them. You will have fine, large, blanched Leeks a half-foot long, which may be stored all winter in sand.

One ounce will plant about 100 feet of drill or yield over 1000 seedlings for transplanting. About 18 weeks from seeding to edible stage.

Vitamin F, fair; copper, outstanding; phosphorus, good.

507 Exhibition. Preferred for vegetable shows. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10., oz. \$2.25.

506 Elephant. An extra-long and extra-thick variety of superior quality. Pkt. 20 cts., 3 pkts. 50 cts., oz. \$1.25.

508 Large American Flag. Widely used for both family and market. Pkt. 15 cts., 3 pkts. 40 cts., oz. \$1, ¼lb. \$3.

509 Musselburgh. Hardy variety of extra-large size. The leaves are dark green. Edible stem is 6 to 8 inches long and 3 inches in diameter. Pkt. 20 cts., 3 pkts. 50 cts., oz. \$1.25, ¼lb. \$3.50.



2A 558 MUSHROOMS. Spores from choice Mushrooms propagated in sterile bottles, removed, dried, and packed in cartons. Excluded are spores of other fungous growths. One quart for 35 square feet. Bottle Spawn, qt. \$1.25, 6 qts. \$6.50, 12 qts. \$12.

Valuable for their zestful flavor. Turn fresh manure every day for four days; then build beds with it, 1 foot thick when tamped. As the internal temperature falls to 85 degrees, plant the spawn, broken into walnut-size pieces. Cover with 3 inches of hay for a week; remove, and spread 1 inch of soil in place. Keep building at 60 degrees, and moisten walls and floors daily. Hence average home cellar is unsuitable. Gathering begins in 6 weeks.

MUSKMELON (Cantaloupe)

Not difficult to grow. Sow in April under Hot-kaps and in the open in May in hills or groups the size of a dinner plate and 5 feet apart each way. Use in each group from 8 to 10 seeds. When the plants have produced their rough leaves, thin out to 3 plants per hill.

One ounce will plant about 80 hills. Each hill should produce 6 or more perfect melons. Yield from 12 to 16 weeks.

Excellent source of vitamin C; good one of A and B₁; fair one of G.

Green-fleshed Melons

2A 573 Honey Gold. A new, early, and very handsome commercial sort; good, also, for the home-garden. The grapefruit-like melons are medium in size and very fleshy, because the seed-cavity is small and the rind very thin. Fine sweet flavor. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

2A 574 Rocky Ford. The fruits weigh from 1¼ to 1½ pounds each. Thick meat, green in color, fine in flavor, with thin rind; skin light green, ribbed and heavily netted, ripening to a golden yellow. Pkt. 10 cts., oz. 40 cts., ¼lb. \$1, lb. \$3.

2A 570 Cassaba. True winter melons. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.35, lb. \$3.50.

2A 572 Honeydew (Cassaba). Pkt. 15 cts., oz. 45 cts., ¼lb. \$1.25, lb. \$3.25.

575 "10/25" Salmon Tint. Pkt. 15 cts., oz. 45 cts., ¼lb. \$1.25, lb. \$3.25.

FORCING MELONS

For raising in a heated greenhouse or hot-bed. Not easy; of interest mostly to the expert. When skillfully grown, they are large, flavor exquisite. Seed is imported.

2A 578 Blenheim Orange. Scarlet flesh.

2A 579 Ringleader. Green flesh.

Above 2, pkt. \$1, 3 pkts. \$2.75

MUSTARD

Sow in spring, in drills 12 inches apart; thin to 6 inches. The first two varieties are used for healthful boiled "greens," and are, possibly, the quickest garden crop; gather leaves when they are young, and discard the stems. Seedlings of White London are used for sandwich material.

A healthful vegetable. Vitamins B₁, good; C, G and phosphorus, excellent. Calcium and iron, outstanding.

2A 581 Giant Southern Curled. The broad succulent leaves are frilled. 3 ft. Pkt. 10 cts., oz. 30 cts., ¼lb. 75 cts., lb. \$1.65.

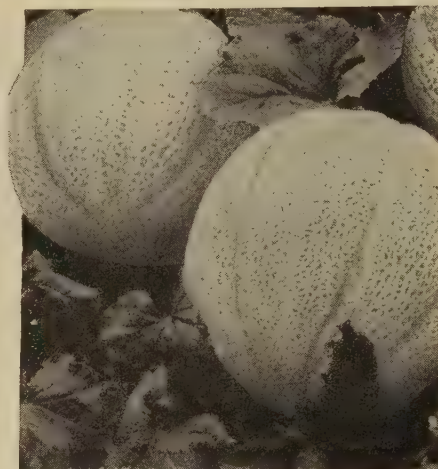
2A 582 White London. Often raised indoors; broadcast seed on fine soil and press slightly—don't cover. Also grown on cloth kept moist. Ready in about 10 days. Pkt. 15 cts., oz. 45 cts., ¼lb. \$1.25, lb. \$3.

2A 583 Mustard Spinach (Tendergreen). See description on page 21. Pkt. 10 cts., oz. 30 cts., ¼lb. 80 cts., lb. \$1.75.

Old Chinese Proverb

To be happy for an hour, drink wine.
To be happy for three days, get married.
To be happy for eight days, kill your pig and eat it. But if you wish to be happy forever, BECOME A GARDENER.

Told over WOR and allied radio stations by *The Answer Man*.



Bender's Surprise Muskmelon

Orange-fleshed Melons

2A 560 Bender's Surprise. An almost round melon of medium size, with very thick, sweet, pink flesh of luscious, melting quality. The dark green, heavily netted skin ripens to an attractive gold. Pkt. 15 cts., oz. 45 cts., ¼lb. \$1.25, lb. \$3.25.

2A 564 Iroquois. A new melon, similar to Bender's Surprise, but it is not quite so early; nor is it as large, and its shape is more oval. But the flesh is thicker, a deeper and richer color and of the best flavor possible, with a delightful aroma. Pkt. 25 cts., oz. 60 cts., ¼lb. \$1.80.

2A 562 Hale's Best. Most superior melon of the Rocky Ford type; oval shape. Quick to produce its fruits; flesh is salmon-orange, sweet, and of fine quality. Pkt. 15 cts., oz. 45 cts., ¼lb. \$1.25, lb. \$3.25.

2A 565 Selected Emerald Gem. The skin is a rich deep green, and smooth; flesh salmon color and of delicious flavor. A very early and prolific variety. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.35, lb. \$3.50.

2A 561 Golden Delicious. Remarkable speed from seeding to yield. Pkt. 15 cts., oz. 45 cts., ¼lb. \$1.25, lb. \$3.25.

563 Hearts of Gold (Hoodoo). Pkt. 15 cts., oz. 45 cts., ¼lb. \$1.25, lb. \$3.25.

OKRA or GUMBO

Adds a mucilaginous quality and a piquancy to soups; may be served alone as a pleasing vegetable. Young pods only are used; when old they have no value. Ready about 9 weeks after sowing.

Sow in late May in drills 1 inch deep and 2½ feet apart; thin to 12 inches.

One ounce will plant about 100 feet of drill.

2A 590 Clemson Spineless. A new and improved sort, almost spineless and of excellent quality. For both the home and market garden, and for canning. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$2.

2A 592 Long Green. Long ribbed pods. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$1.50.

2A 594 White Velvet. Pods are round, smooth and white; superior flavor. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$1.50.

2A 591 Dwarf Green. Short, deep green pods. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$1.50.

ONION

One ounce plants 100 feet of drill and yields 100 to 150 pounds of food. 5 to 6 pounds per acre.

Mild White Varieties

- 602 Southport White Globe.** Produces handsome and uniformly globe-shaped bulbs. The flesh is firm, fine-grained and of mild flavor. Pkt. 15 cts., 4 pkts. 50 cts., oz. 95 cts., $\frac{1}{4}$ lb. \$2.50.
- 605 White Portugal or Silverskin.** A mild variety, used for pickles. Tender and altogether fine. Pkt. 15 cts., 4 pkts. 50 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.
- 603 White Bunching.** For Scallions and small Onions. Pkt. 15 cts., 4 pkts. 50 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.
- 600 Evergreen Bunching.** Long, white sort; may be sown in spring or fall. Protect over winter with salt hay or leaves. A tender, mild Scallion. Pkt. 15 cts., 4 pkts. 50 cts., oz. 95 cts., $\frac{1}{4}$ lb. \$2.50.
- 604 White Pickling.** When matured, the tops die down, leaving beautiful and perfect little bulbs. The color is pure white, the flavor mild and delicate. Pkt. 15 cts., 4 pkts. 50 cts., oz. 95 cts., $\frac{1}{4}$ lb. \$2.50.

Leading Yellow Kinds

- 2A 611 Southport Yellow Globe.** Large and uniformly spherical bulbs with very small necks. The largest diameter is below the center of the bulb. The color is rich orange-yellow. Keeps splendidly. Pkt. 15 cts., 4 pkts. 50 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.
- 2A 609 Early Yellow Globe.** Attractive, deep yellow Onion, medium large in size with a tight skin; keeps well. Pkt. 15 cts., 4 pkts. 50 cts., oz. 95 cts., $\frac{1}{4}$ lb. \$2.50.
- 2A 612 Yellow Globe Danvers.** A splendid keeper. Well-rounded bulbs about $2\frac{1}{2}$ inches in diameter; skin light golden yellow; flesh white, crisp, and mild. Pkt. 15 cts., 4 pkts. 50 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.
- 610 Ebenezer.** Dark yellow bulbs are deep, flat, medium size, firm, with a thick skin. Early and keeps well. Pkt. 15 cts., 4 pkts. 50 cts., oz. 95 cts., $\frac{1}{4}$ lb. \$2.50.
- 620 Ailsa Craig.** One of the largest grown. Handsome, oval-shaped variety with pale straw-colored skin. For exhibition it is unexcelled, and to attain its largest size it should be sown in February and transplanted. Keeps well and has a mild flavor. Pkt. 20 cts., 3 pkts. 50 cts., oz. \$1, $\frac{1}{4}$ lb. \$2.75.
- 622 Prizetaker.** Uniform in shape and of immense size. Bulbs have been raised to weigh from 2 to 3 pounds each. Pkt. 15 cts., 3 pkts. 40 cts., oz. \$1, $\frac{1}{4}$ lb. \$2.75.
- 623 Riverside Spanish.** Pkt. 15 cts., 3 pkts. 40 cts., oz. \$1, $\frac{1}{4}$ lb. \$2.75.

Long-keeping Red Onions

- 616 Southport Red Globe.** Large, flesh fine-grained, mild and tender. Pkt. 15 cts., 4 pkts. 50 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.
- 615 Large Red Wethersfield.** Bulb large, flattened, skin deep purple-red; flesh purplish white, moderately fine-grained, with a strong flavor. The best keeper. Pkt. 15 cts., 4 pkts. 50 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

For large Onions sow $\frac{1}{2}$ inch deep in a hotbed early in February and transplant to the open 6 inches apart. For the main supply, sow in rich, sandy soil, river-bottom loam or muck land in drills 1 foot apart, early in spring, and firm well. Thin to 3 to 4 inches apart.

They take 3 to 4 months to grow to large, mature Onions.



S. & W. Co.'s Southport Globe Onions

A New Hybrid Onion

- 613 Forty-three.** Yellow. A large, slightly flattish Onion, of decided Spanish type; solid, with a tight neck. Keeps well for a big kind. A handsome bulb, with a superior mild flavor. Pkt. 35 cts., 3 pkts. \$1.

Bermuda Onions

These are large, flat, quick-growing types, with a pleasant, mild flavor.

- 625 Crystal Wax (White Bermuda).**
627 Yellow Bermuda.
626 Red Bermuda.

Above 3, each, pkt. 20 cts., 3 pkts. 50 cts., oz. \$1, $\frac{1}{4}$ lb. \$3

Onion Sets

One pound plants 100 feet.

Sets are tiny bulblets grown from seed sown thickly last summer. They will produce green, bunch or pulling Onions in four to six weeks, much quicker than will seed. They may be allowed to develop into full-size Onions. Garlic sets divide and increase in the soil.

	Lb.	4 lbs.	8 lbs.
2A 633 White Onion			
Sets.....	\$0 50	\$1 85	\$3 50
2A 634 Yellow Onion Sets.....	45	1 70	3 25
2A 635 Yellow Ebenezer Sets.....	45	1 70	3 25
2A 632 Red Onion Sets.....	50	1 85	3 50

Plant the above Sets 2 in. deep and 2 in. apart for pulling Onions and 4 in. apart for large ones.

- 2A 631 Garlic Sets.** Separate Lb. 5 lbs.
 cloves; plant 6 in. apart... \$0 75 \$3 50

A rich well-drained soil, free of stones, is best for Onions. To hasten maturity, especially if they are slow to form bulbs, bend over or break the tops.

Onions are an aid to buoyant health and are a good source of vitamin B₁.

PARSLEY

Parsley should be used freely in salads, soups and sauces. An outstanding source of vitamins A and C, and a good source of B₁; it supplies calcium, phosphorus, iron and copper.

Sow early in the spring in drills 1 foot apart and $\frac{1}{2}$ inch deep. Thin out the young plants to 4 inches. Hamburg Parsley should be treated like Carrot.

One ounce will plant about 150 feet of drill, and yield over 150 good bunches. Ready in 10 weeks.

- 2A 641 Evergreen.** A new rapid-growing, vigorous sort that will give you Parsley later in the autumn because it is more resistant to cold. Larger, denser, more spreading and very dark in color. Tightly curled but its sturdiness is associated with slightly coarser cut leaves. Ideal for the market man as well as the private grower. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.
- 2A 640 Champion Moss Curled.** A particularly beautiful type. A bed of this has the appearance of fine moss. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.
- 2A 643 Extra Double Curled.** A market variety. The leaf is finely cut, curled and vivid green. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.25.
- 2A 642 Exhibition Curled.** Remarkable for its extra-fine leaves and its dense habit of growth. Seed saved from exhibition plants. Pkt. 25 cts., 5 pkts. \$1.05.
- 2A 646 Plain.** Known widely as Italian Parsley. Used for flavoring. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.
- 2A 644 Hamburg or Rooted.** The roots of this type resemble parsnips. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

May we draw your attention to the Warranty under which our products are offered? See page 104.

GREEN PEAS

Sow round, smooth-seeded sorts as early in the spring as possible, and the superior-flavored wrinkled Marrow varieties two weeks later. Use several kinds at each seeding to insure a long productive season. Place the Peas 2 inches deep and about 1 inch apart in single or double rows 2½ feet asunder. Thin to 3 inches. Sorts over 1½ feet need the support of brush or wire.

If you have not grown Peas in your garden before, you should treat the seed with Legume-Aid.

One pound (equal to about 1 pint) plants 100 feet.

Early Smooth-seeded Sorts

2A 660 Dwarf Early Bird. Hardy; sow it very early, and in 60 days you begin picking the 4-inch-long pods packed with good quality Peas. Height 16 inches. ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

2A 661 First of All or Pedigree Extra-Early. Peas tender, well flavored, in long, tightly filled pods. 60 days from planting to picking. Height 30 inches. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Early Wrinkled Marrowfats

2A 670 Freezonian. ★ An excellent all-purpose variety, because it bears for a longer time and resists hot weather; resists wilt also. Thirty inches tall; the 3½-inch pods are crammed with large, wrinkled, very sweet Peas. 63 days. Pkt. 15 cts., ½lb. 40 cts., lb. 75 cts., 5 lbs. \$3.50.

2A 671 Gradus or Prosperity. ★ Vines have light green leaves and grow about 3 feet high. Pods uniformly large, 4 to 4½ inches in length, well filled and handsome. 65 days from seed to picking. Pkt. 15 cts., ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

2A 672 Laxtonian. ★ The large pods are filled with large, luscious Peas. It is ready for use about a week later than the very early sorts. The plant grows about 1½ feet high, and is of a rich dark green color. 62 days. ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

2A 673 Laxton's Progress. ★ The pods are 4 inches long and are filled with 8 large, melting, sweet Peas. 1½ feet. 60 days. ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

2A 674 Little Marvel. Eighteen inches high, heavily set with pods, usually in pairs. Pods 3½ in. long, square, filled with large, deep green Peas. 62 days. Pkt. 10 cts., ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

2A 677 Thomas Laxton. ★ The Peas are of extra-fine quality, tender and of good flavor. Height 3 ft. Ready for picking in 63 days. ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

678 World's Record. ★ Yields in 61 days. ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

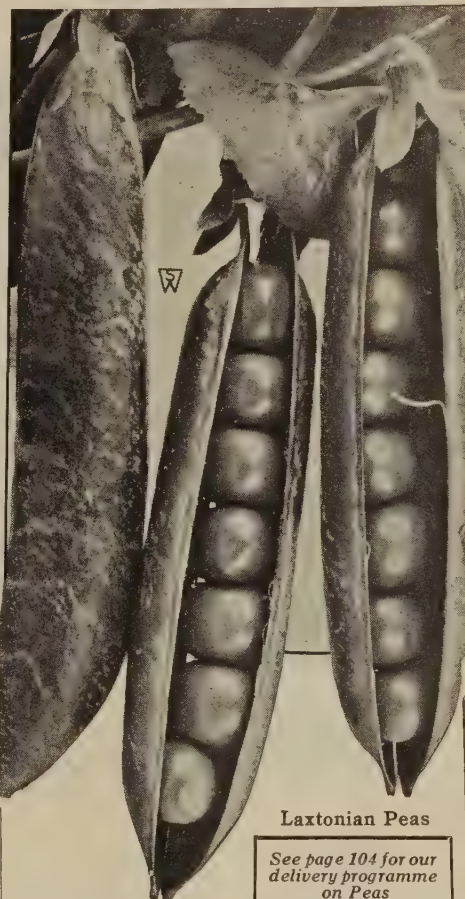
PEANUTS

These require similar soil conditions and temperatures to garden corn. Remove the outer shell without injuring the kernels, and sow the latter in drills 2½ feet apart and 1½ inches deep. Allow 9 inches between one "nut" and the next in the row.

2A 656 Improved Spanish. Though small, this is a quick-growing sort and one that is suitable for northern gardens. Pkt. 15 cts., lb. \$1.

2A 655 California Long Red. Larger than the above but slower to mature. Plant it south of the latitude of New York, where the longer summer will enable it to yield a heavy crop. Pkt. 15 cts., lb. \$1.

★Kinds so marked suitable for
QUICK FREEZING



Laxtonian Peas

See page 104 for our
delivery programme
on Peas

Main-Crop Wrinkled Marrowfats

2A 680 Alderman. ★ On generous soils it grows to a height of 5 to 6 feet. The pods contain 7 large, elongated, dark green Peas of the highest quality. 77 days. ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

2A 681 Boston Unrivalled or Telephone. ★ A fine tall late variety. The yield of pods is good and they are uniformly well filled. Attains a height of 5 feet. Twelve weeks from seed to harvest. Pkt. 15 cts., ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

2A 682 Number Forty. ★ A dwarf plant which produces pods 5½ to 6½ inches long. Their cooking quality is of the best. 75 days from sowing to harvest. ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

683 Potlach. ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

Edible-podded Sugar Peas

Used like snap beans

690 Luscious Melting Sugar. Large, broad, brittle pods which snap with no string. 5 feet. 70 days. Pkt. 15 cts., ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

691 Dwarf Sugar. 2 ft. Pkt. 15 cts., ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

Peas are a valuable protein food, an excellent source of vitamin B₁, a good one of vitamin G and a fair one of A. Outstanding in their phosphorus content, they also furnish iron and copper.

The average yield from a 25-foot row of dwarf Peas is 25 to 30 pounds of pods; about 25 per cent more for tall sorts.

PEPPER

Outstanding source of vitamin C, and a fair one of A and G.

All varieties may be used either green or red; green Peppers are unripe red Peppers.

They should not be planted out until settled warm weather has arrived. The seed may be sown in a hotbed, coldframe, or a box in a sunny window; transplant 18 inches apart each way.

One ounce will produce about 1000 plants.

706 World Beater. The fruits are 3½ inches in diameter by 5 inches long, four-lobed, and the flesh is very thick, mild, fine and sweet. Early. Pkt. 15 cts., 4 pkts. 50 cts., oz. \$1.10, ¼lb. \$3.25.

704 Perfection Pimiento. The meat is very thick. The quality is very sweet and delicious. Scarlet-red. Pkt. 15 cts., 4 pkts. 50 cts., oz. \$1.10, ¼lb. \$3.25.

700 California Wonder. An early-yielding variety with thick, sweet high-quality flesh. Its scarlet fruits sometimes measure 6 inches by 6 inches. Pkt. 20 cts., 3 pkts. 50 cts., oz. \$1.15, ¼lb. \$3.50.

702 Large Bell or Bull Nose. A large, early variety of pleasant mild flavor. Favorite for green stuffed Peppers. Pkt. 15 cts., 4 pkts. 50 cts., oz. \$1.10, ¼lb. \$3.25.

703 Neapolitan (Jersey Sweet; White Cap). Early. Its fruits grow upward. Bright red, sweet, fine, and tender. Pkt. 15 cts., 4 pkts. 50 cts., oz. \$1, ¼lb. \$3.

705 Ruby King. Fruits 4½ to 6 inches long, 3½ inches thick, and red. Used both for pickles and slicing. The flavor is mild and pleasant. Pkt. 15 cts., 4 pkts. 50 cts., oz. \$1.10, ¼lb. \$3.25.

710 Hungarian Wax. (Hot.) Pkt. 20 cts., 3 pkts. 50 cts., oz. \$1.15, ¼lb. \$3.50.

711 Long Cayenne. (Hot.) Pkt. 15 cts., 4 pkts. 50 cts., oz. \$1, ¼lb. \$3.



World Beater Pepper



These modern Vegetables in cost-saving collections on page 23.

240. BROCCOLI
ITALIAN MARKET
Pkt. 25 cts.
3 pkts. 60 cts.
1/2oz. 90 cts.



752. RADISH
CHERRY BELLE
Pkt. 20 cts.
oz. 60 cts.
1/4lb. \$1.50.



317
CARROT
RUBICOR
Pkt. 15 cts.
oz. 60 cts.
1/4lb. \$1.65.



848. TOMATO, MARGLOBE
Pkt. 15 cts., 3 pkts. 40 cts.
6 pkts. 75 cts., oz. \$1.



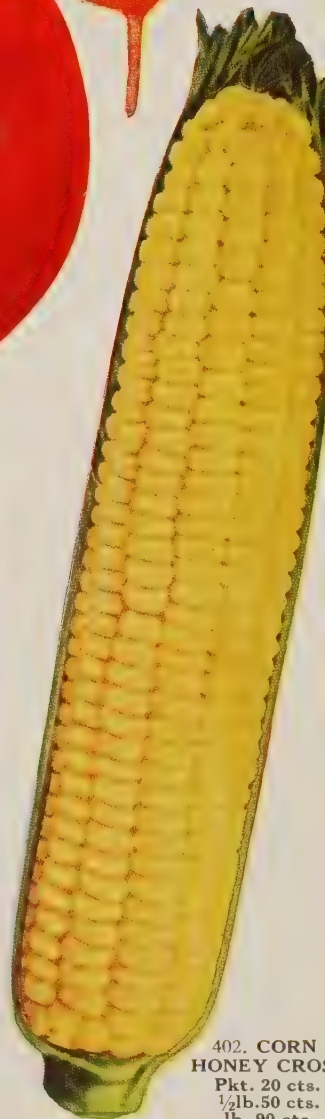
122. BEAN
TOPCROP
Pkt. 25 cts.
5 pkts. \$1.10



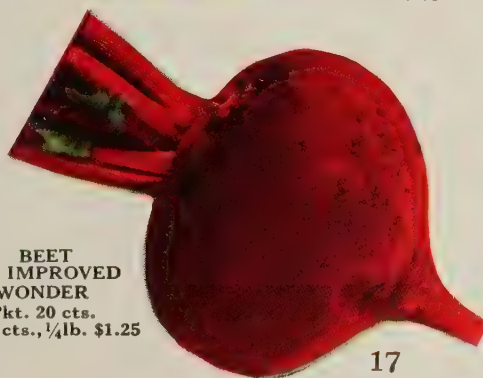
517. LETTUCE
NEW YORK 12
Pkt. 15 cts.
oz. 50 cts., 1/4lb. \$1.35



674. PEA
LITTLE MARVEL
Pkt. 10 cts.
1/2lb. 30 cts., lb. 55 cts.



402. CORN
HONEY CRO
Pkt. 20 cts.
1/2lb. 50 cts.
lb. 90 cts.



208. BEET
IMPROVED
WONDER
Pkt. 20 cts.
oz. 45 cts., 1/4lb. \$1.25

Home-Grown Salads

ARE VITAMIN FULL AND MORE DELICIOUS



*Serve Them
Garden Fresh!*

SEEDS of Modern Salad Vegetables

*Plant early and you'll enjoy them from
May to November*

Cultural Directions on each packet

- 206. **BEET, Good for All.** Brilliant color and delicious flavor for summer salads. And if you've yet to try the delicious boiled tops, with bacon, a real treat awaits you. This is a particularly fine variety. Pkt. 20 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25.
- 263. **CABBAGE, Golden Acre.** Smart housewives contrive to introduce this protective food frequently. Once you've discovered the proper application of oil and vinegar and herbs, it will be a top favorite with all the family. Pkt. 15 cts., 3 pkts. 40 cts., oz. 80 cts.
- 312. **CARROT, Greater Chantenay.** A tender, flavorful, quick-growing addition to early summer salad bowls. Plenty of size too, should the family like them buttered. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.35.
- 351. **CAULIFLOWER, Best of All.** Break up the tender young heads for piquant bits of flavor in your favorite salad or cole slaw. Pkt. 35 cts., 3 pkts. 90 cts., $\frac{1}{4}$ oz. \$1.75.
- 361. **CELERY, Golden Plume.** To serve fresh cut or diced in your cole slaw or salad. Crisp and tender, rich nutty flavor. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{4}$ oz. \$1.
- 295. **CHINESE CABBAGE, Michihili.** Long slender heads of tenderness with its own distinctive flavor. Excellent in salads with tomatoes and green peppers. A new sure-header type. Sow early and eat it in June. Pkt. 20 cts., 3 pkts. 50 cts., oz. 90 cts.
- 461. **CUCUMBER, Straight 8.** "Cool as a Cucumber" means that you'll serve these sliced when summer's heat is upon us. Excellent texture in this variety gives you a tasty base for any number of warm-weather dishes. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

993 SALAD GARDEN COLLECTION

14 PACKETS—one each of all the vegetables on this page. \$2.50 value for **\$2**

- 495. **ENDIVE, Green Curled Rose-ribbed.** You'll like the bright green, crinkly leaves for garnishing a salad, and for fine quality you'll tie up the heads to blanch a creamy white. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. 95 cts.
- 513. **LETTUCE, Imperial 44.** An Iceberg variety that will furnish a profusion of firm heads for your table right through the hot days of summer. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50.
- 582. **MUSTARD, White London.** The seedlings are a delectable addition to sandwiches—piquant and enjoyable in salads. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25.
- 623. **ONION, Riverside Sweet Spanish.** A large variety, sweet yet authoritative enough to give proper zest to other salad vegetables. Pkt. 15 cts., 3 pkts. 40 cts., oz. \$1.
- 700. **PEPPER, California Wonder.** Rich red garnish for early summer salads. Large fruits are sweet and juicy. Pkt. 20 cts., 3 pkts. 50 cts., oz. \$1.15.
- 756. **RADISH, White Icicle.** Fast growing, crisp, mild, and appetizing—you'll serve them any number of ways. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts.
- 852. **TOMATO, Rutgers.** Most versatile of garden vegetables, the big flavorful Rutgers will add greatly to warm-weather meals. Pkt. 15 cts., 3 pkts. 40 cts., oz. \$1.10.

Where to Look for Minerals and Vitamins

Beets: Copper. **Tops** for A, B, C and D, Calcium and Iron. **Cabbage:** C, Calcium, some Phosphorus. **Carrot:** A (for eyesight). **Cauliflower:** B₁ (Thiamin) C and G, Phosphorus. **Celery:** Calcium, Phosphorus. **Chinese Cabbage:** Similar to Cabbage. **Cucumber:** G. **Endive:** A, G (Riboflavin), Calcium, Iron. **Lettuce:** A, C. **Onion:** B₁. **Pepper:** A, G. **Radish:** B₁, G. **Tomato:** A, B, G.

SPRAYING or DUSTING is ESSENTIAL to produce a good crop. Rotene Insect Spray, 4 ozs. \$1. Hortex Dust, lb. 50 cts. Both Non-Poisonous.

PUMPKINS Good source of vitamin A

Plant May 15 in "hills" or groups 8 to 10 feet apart, and otherwise treat in the same manner as melons.

One ounce will plant 50 hills.

Fruits are ripe 15 to 18 weeks after sowing seed and 4 to 5 per hill may be expected.

2A 722 Large Cheese. Fruit flattened, the diameter being three times more than the thickness; skin mottled light green and yellow, changing to rich cream-color as it matures; flesh excellent quality. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.



Sweet or Sugar Pumpkin

723 Sweet or Sugar (New England Pie). The fruits are medium in size, bright orange; round, flattened at the ends. The flesh is of good cooking quality, very thick, and deep yellow. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.

2A 724 Winter Luxury. Best pie Pumpkin; productive; keeps well. Finely netted and russet in color. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.25.

2A 720 Connecticut Field. Large, flat-round, deep orange fruits. Good for pies; also largely grown for stock feeding. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

2A 721 King of the Mammoths. Recommended where size is the chief consideration—200 pounds or more being not an unusual weight. Flat-rounded; skin yellow, as also is the thick flesh. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.25.

PARSNIP

Good source of vitamin C; fair source of B₁ and G. Supplies phosphorus and copper.

Sow early in spring, $\frac{1}{2}$ inch deep and in drills 15 inches apart. Thin to 4 inches. The quality is improved after frost; may remain in the ground all winter.

One ounce will plant about 200 feet of drill and yield 300 or more pounds; use 5 to 6 pounds of seed per acre. Takes 15 weeks from seed to maturity.

2A 650 Improved Hollow-Crown. Fine 12-inch roots, clean, well shaped, smooth. Excellent for table or exhibition. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.25.

652 Selected Exhibition. Produces roots several feet in length and ending in a fine whip-thong. Smooth, white. Mild and sweet. Pkt. 25 cts., 5 pkts. \$1.05.

WINTER SQUASH

2A 810 Acorn (Table Queen; Des Moines). One of the earliest. The fruits are 6 inches long by $4\frac{1}{2}$ inches in diameter; dark green shell, but the flesh is light yellow and thick. Trailing. Keeps well. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$2.75.

809 U-Conn. All-America Award variety for 1950. A bush type; fruit is similar to Acorn. The shell is lighter green and the yellow flesh is even thicker. Yields well, and is an excellent keeper. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

2A 812 Butternut. Large, smooth, tan-colored fruits of decanter shape. Twelve to 15 inches long, the neck section is narrow but the blossom end is large and swollen. Thick golden flesh, fine textured, sweet and of excellent flavor. Keeps well. Pkt. 15 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25, lb. \$6.

2A 813 Chicago or Warded Hubbard. Robust; fruits large, heavily warted, and dark green; flesh rich and dry. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$2.75.

2A 816 Golden Hubbard. Similar to the Green Hubbard, but somewhat smaller. Orange skin; flesh deep gold. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$2.75.

2A 811 Boston Marrow. Oval; bright orange; flesh yellow. Excellent for pies. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.

817 Hubbard. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.25.

814 Delicious. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.10.

SUMMER SQUASH

800 Giant Bush Crookneck. Refined, fresh, delicious. In this new type the fruits are double the usual size. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.

801 Long Island White Bush (Improved Patty Pan). Shallow grooves and a thicker, heavier fruit. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.25.

803 Straightneck. Similar to Summer Crookneck, but straight. Fruits warted, 20 inches long. Delicious flavor. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$2.75.

804 Zucchini. ★ Prolific, tender; mild flavor. Gather when 6 inches, and prepare like other Squash, or fry like eggplant. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$2.75.

802 Noodle Squash. Puncture one end and cook 35 minutes. Cut; the flesh is in shreds, like spaghetti. Served with sauce, salt, and butter, or as a cold dish with vinegar. Mottled green fruits, 10 inches long, turn yellowish white. Pkt. 15 cts., 2 pkts. 25 cts., oz. 50 cts.

Vegetable Marrow

922 Long Green Trailing. Pkt. 15 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.50.

923 Long White Trailing. Pkt. 15 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.50.

2A 920 Italian Vegetable Marrow (Cocozelle Squash). A non-trailing type producing oblong fruits a foot in length and about 5 inches in diameter, handsomely mottled dark and light green. A great favorite. Usually gathered when small. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25.

2A 926 Caserta. All-America Gold Medal 1949. An improved bush Squash of the Cocozelle type and color, but 10 to 14 days earlier. At prime market stage fruits are around 7 inches long and $1\frac{1}{4}$ ins. through. Yields heavily, and is more pleasing in appearance. Pkt. 20 cts., 3 pkts. 50 cts.

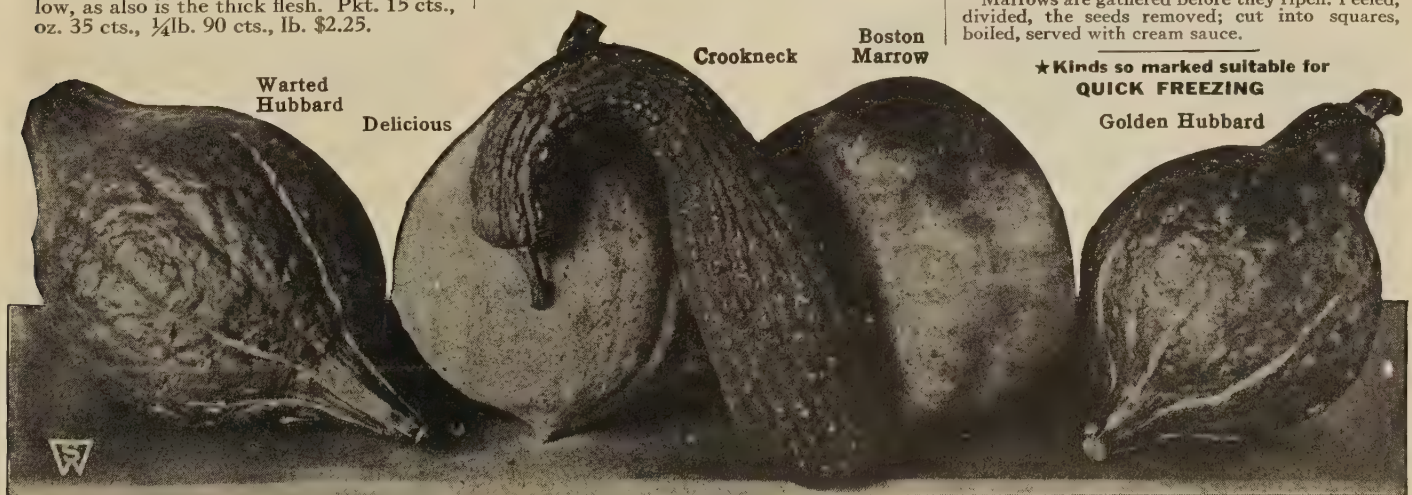
Plant after May 15. Sow bush varieties in hills, or groups 4 feet apart; trailing sorts 6 to 8 feet apart. Sow 6 seeds, thin later to 3 plants in a hill. One ounce plants about 25 hills, and each hill should yield 6 to 8 good Squashes.

Winter Squash furnishes vitamin G, and some vitamin A; Summer Squash is almost as good. Vegetable Marrow, vitamin A.

Summer Squash matures in 7 to 10 weeks from sowing, Winter Squash in 13 to 15 weeks. Vegetable Marrow, 8 weeks.

Marrows are gathered before they ripen. Peeled, divided, the seeds removed; cut into squares, boiled, served with cream sauce.

★ Kinds so marked suitable for QUICK FREEZING



Warded Hubbard

Delicious

Crookneck

Boston Marrow

Golden Hubbard

POTATOES

Purchaser pays transportation

Potatoes contribute iron, vitamins B₁ and C. The best soil for them is a well drained fibrous loam. On clay soils, particularly in certain districts of northern New Jersey, the culture of Potatoes is not recommended. Before planting, work in Sawco General Garden Fertilizer at the rate of 1500 pounds to the acre if applied broadcast, or 750 pounds if applied under the row. Cut into pieces, each containing at least one good eye; plant 10 inches apart and 3 inches deep in 2½-foot rows from April 10 to May 31.

Allow 7 to 10 pounds for each 100 feet of row; 600 pounds will plant an acre. Growing period around 125 days. Potatoes are ready to dig after tops have died down completely. Early Potatoes mature in 9 to 11 weeks, late Potatoes in 12 to 14 weeks.

Use Semesan Bel on your seed Potatoes at planting-time. It controls disease and produces increased yields of healthy plants and tubers. 1 tablespoonful will treat 100 pounds. Spraying with Bordeaux Mixture for blights and scab, and with Lead Arsenate for the potato beetle (½ inch long, yellow with black stripes) are a necessary process with the growing crop. See Insecticide and Fungicide Section at end of this Catalogue.

Standard Early Potatoes

730 Chippewa. Husky variety that resists disease and crops heavily. Tubers medium size, pure white and smooth, longish-round in shape, with shallow eyes.

2A 731 Irish Cobbler. The skin is creamy white, sometimes netted; eyes are strong, well developed and but slightly indented. White flesh of fine quality.

A Fine Intermediate Potato

2A 734 Katahdin. Matures about a week later than Irish Cobbler. White skin and flesh, with a very shallow eye. Handsome oval. Preferred variety for Potato chips.

Best Main-Crop Potato

2A 736 Green Mountain. A late, heavy cropper of excellent quality; skin smooth and white; shape roundish flat; eyes few and shallow; a good keeper.

ABOVE FOUR: 25 lbs. \$2.50, 50 lbs. \$4.25, 100 lbs. \$7.50

RHUBARB, Victoria. Has given good results for years. 771 Strong clumps, 25 cts. each, \$2.50 per doz., \$17.50 per 100.

772 Extra-large clumps for forcing in the greenhouse or cellar, 45 cts. each, \$4.50 per doz., \$32.50 per 100.

770 Seed, pkt. 20 cts., oz. 60 cts., ¼ lb. \$1.75.

1 ounce produces about 1000 roots

773 McDonald. Developed in Canada, and very hardy. Tender and delicious. Roots only (divisions), 75 cts. each, \$7.50 per doz., \$60 per 100.

PURCHASER PAYS TRANSPORTATION



Katahdin Potato

Sweet Potato

One of the most important American food crops, so highly nutritious that in the New York area everyone should grow it in localities where Potatoes of the ordinary type are often unprofitable. It may well be given consideration in northern New Jersey, for example, as an ideal home-garden food crop.

Set out about 2 feet apart each way in sandy soil; dig after first frost. Cultivate often, and prevent stems taking root by lifting the tops from time to time.

2A 739 Yellow Jersey.

2A 738 Big Stem. Yellow.

Each variety, \$2 per 100, \$15 per 1000

Ready in June, these are rooted cuttings which, in a few hours after separating them from the parent tuber, take on a wilted appearance. Despite this, however, they grow well and may be planted with every confidence. But we do not ship Sweet Potatoes beyond 50 miles.

Sweet Potato tubers keep well if they are thoroughly cured, and handled with great care to avoid bruising.

RADISHES

Fresh-pulled Radishes are refreshing. They are an excellent source of vitamin B₁ and a fair source of vitamin G. They furnish a good amount of copper.

As early in the spring as the ground can be worked, sow sparingly, ½ inch deep, any of the round or olive-shaped varieties, allowing 1 to 1½ feet between the rows. Thin to 1 inch apart (summer and winter sorts need 4-inch spacing). Hoe frequently. The round and olive-shaped sorts serve until June 15, when Icicle and Cincinnati Market are at their best. Summer sorts are good until frost from repeated sowings. Winter varieties should be sown from July 15 to August 15, and may be pulled after light frosts and stored through winter.

One ounce will plant about 100 feet of drill. One generous bunch per foot of row is an average yield.

Round and Olive-shaped

Ready in about 25 to 30 days

2A 752 Cherry Belle. 1949 All-America Bronze Medal Winner. Short tops, round or globe shape, very brilliant scarlet color. Neither age nor size seems to develop pithiness. Pkt. 20 cts., oz. 60 cts., ¼ lb. \$1.50.

2A 750 Special Forcing. A superior Scarlet Globe. Very quick to mature. Its small top gives plenty of room in the frame or greenhouse. Mild flavor, smooth, crisp, and good. Pkt. 15 cts., oz. 40 cts., ¼ lb. \$1, lb. \$2.25.

2A 741 Crimson Crisp. White flesh of high quality, brittle and mild. May be grown to a larger size than most kinds before it becomes inedible. Pkt. 15 cts., oz. 40 cts., ¼ lb. \$1, lb. \$2.25.



Early Scarlet Globe Radishes

2A 742 Early Scarlet Globe. The best general-purpose variety in this class, perfecting handsome round-oval roots in from 28 to 30 days after sowing. Brilliant in color, short-leaved, crisp and white; an excellent variety for forcing. Pkt. 10 cts., oz. 30 cts., ¼ lb. 85 cts., lb. \$1.75.

2A 751 White Pearl. The finest white round Radish. Matures quickly and does not get hollow. For both spring and summer; superior to the older White Box. Pkt. 15 cts., oz. 40 cts., ¼ lb. \$1, lb. \$2.25.

2A 749 Sparkler. Rich carmine-scarlet, with a pronounced white tip. The roots are solid, crisp, and sweet. It is equally well adapted for forcing or growing in the open. While the leaves are small, they are sufficiently large for bunching. Pkt. 10 cts., oz. 30 cts., ¼ lb. 85 cts., lb. \$1.75.

2A 746 Early Scarlet Turnip. Handsome flat-round roots. Pkt. 10 cts., oz. 30 cts., ¼ lb. 85 cts., lb. \$1.75.

2A 748 French Breakfast. Olive-shaped counterpart of Sparkler. Mild, crisp. Pkt. 10 cts., oz. 30 cts., ¼ lb. 85 cts., lb. \$1.75.

Early Long Radishes

Ready in about 35 days

2A 756 White Icicle. A good Radish for all purposes in the home-garden; also fine for market or growing under glass. Within 30 days from sowing, the roots attain a length of 4 to 5 inches, by ¾ inch in diameter at the thickest part. The skin is thin, the flesh crisp and mild. Remains for a long period in fine table condition. Pkt. 10 cts., oz. 30 cts., ¼ lb. 85 cts., lb. \$1.75.

2A 755 Cincinnati Market. Roots 6 to 7 inches long, an inch thick, are produced 35 days after sowing. Skin rosy scarlet blending into a white tip. Pkt. 10 cts., oz. 30 cts., ¼ lb. 85 cts., lb. \$1.75.

Early round, olive-shape and long Radishes are essentially spring and autumn crops. They do not thrive in warm weather. Sow Strasburg Radish in June and July; winter sorts from mid-July to mid-August.

Summer Variety

Ready in about 40 days

2A 761 White Strasburg. Shape tapering; skin and flesh white; excellent summer variety. Pkt. 15 cts., oz. 35 cts., ¼ lb. 90 cts., lb. \$2.

Long-keeping Winter Varieties

Ready in about 8 weeks

766 Rose China. Bright rose skin; flesh firm and piquant; fine for winter use. Pkt. 15 cts., oz. 35 cts., ¼ lb. 90 cts., lb. \$2.

765 Long Black Spanish. The popular winter sort. Skin is black, flesh white. Pkt. 15 cts., oz. 35 cts., ¼ lb. 90 cts., lb. \$2.

767 Round Black Spanish. Pkt. 15 cts., oz. 35 cts., ¼ lb. 90 cts., lb. \$2.

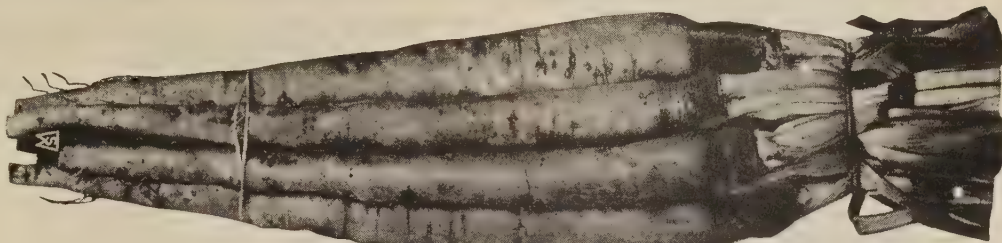
SALSIFY

Vegetable Oyster

One ounce will sow about 50 feet of drill.

Delicious vegetable, grown and served like parsnip; autumn frosts improve its flavor. Sow early in spring, in drills 15 inches apart and 1 inch deep, thinning out the young plants to 4 inches. The roots will be ready in October, when a supply should be taken up and stored like carrots; remainder may be left in the ground and dug in spring.

2A 778 **Mammoth Sandwich Island.** Pkt. 15 cts., oz. 70 cts., $\frac{1}{4}$ lb. \$2, lb. \$6.



Mammoth Sandwich Island Salsify

SPINACH

Sow in April in drills $\frac{1}{2}$ inch deep and 15 inches apart; again in August or September. Thin to 3 inches between plants. Spinach requires rich soil.

One ounce will plant about 100 feet of drill, and produce over 6 bushels of Spinach. Gather about 7 weeks after seeding.

Spinach is essentially a cool-weather crop, and should be sown early; plants from late spring seedings frequently "bolt" to flowers, unless you choose carefully from the following a sort less prone to do so.

2A 782 **Emerald Standing.** ★ Large, vigorous type, of compact, spreading growth. Leaves are large, thick, slightly crumpled, very fleshy and carried on long stems. Dark green. The most important point, however, is that it stands fully one month longer than any other variety before bolting to seed. Yet it is quick-growing. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.25.

2A 780 **Blight-Resistant.** ★ A Savoy-leaved Spinach which may be grown on soil infected with blight. Since it tends to bolt to flower somewhat freely, we do not advise extensive seedings in warm weather. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$1.50.

2A 785 **Old Dominion.** ★ A mosaic-resistant hybrid. Very hardy, and much used in late autumn, when seed remains dormant over winter and germinates first thing in spring. Good for early spring sowing also. Wrinkled leaves. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.65.

2A 786 **Princess Juliana.** ★ A splendid all-purpose variety; good for the home gardener and commercial grower alike. Large, wrinkled and blistered dark green leaves. Slow to bolt in hot weather. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$1.75.

2A 781 **Bloodsail Savoy.** ★ Dark green. Valued both by market growers and home gardeners because of its earliness. The leaves are wrinkled and crumpled. Yields heavily and is particularly hardy. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$1.50.

2A 787 **Viking.** ★ A new quick-growing sort, but one that is slow to run to seed. Large medium-blistered leaves; dark green. Excellent home-garden variety. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.



2A 790 **New Zealand Spinach**

The plants grow vigorously, do not run to seed, and withstand drought better than true Spinach. Furnishes a summer supply of "greens." Illustrated above.

Sow during May, in drills 2 feet apart. Thin to 9 inches between plants. Ready in about 10 weeks from sowing. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$3.

2A 791 **Perpetual Spinach**

This desirable cut-and-come-again plant may be sown from April to June, and in six weeks cutting may commence, to continue right through into fall. The "greens" furnished are similar in flavor to true Spinach, the leaves being very tender; they are both palatable and healthful. Cut the leaves about 3 inches from the ground. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$3.

2A 583 **Mustard Spinach (Tendergreen)**

Good boiling vegetable, healthful and palatable. Has a pleasant flavor, and many who do not like true spinach will relish it. Cut within a month of sowing seed. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$1.75.

Swiss Chard and Spinach are among the most healthful of foods. Both are high in vitamins A and G, and in all minerals, especially iron. Swiss Chard is also an outstanding source of vitamin B₁ and Spinach an excellent source of vitamin C.

★ Kinds so marked suitable for
QUICK FREEZING



Bloomsdale Savoy Spinach

SWISS CHARD

Spinach Beet

This delectable vegetable is one you should grow yourself, for it is seldom offered for sale.

Leaves may be boiled, adding fried chopped bacon if you so desire. The stalks may be served as a distinct dish cooked like asparagus. Sow early in spring in rows and thin to 9 inches.

One ounce will plant about 100 feet of drill, and yield more than 10 bushels of produce. Cutting commences in about 7 weeks.

2A 823 **Mammoth New York.** This is a large, distinct sort, medium green in color. The leaves are smooth, and the stalks are milk-white. High breeding has eliminated the earthy flavor common to many Chards. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50.

2A 821 **Giant Lucullus.** Plants grow to a height of 2 to 2½ feet and the stalks are 1½ inches broad, heavily ribbed, and from 10 to 12 inches long. The large, medium green leaves are heavily crumpled. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.

2A 822 **Green Lyon.** A vigorous-growing, stocky type with smooth, deep green leaves and broad, thick, white stalks. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.25.

2A 820 **Fordhook.** A giant variety with broad, wrinkled, dark green leaves and broad white stems. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.

2A 824 **Rhubarb Chard.** Bright crimson stems and dark green and crimson leaves give this variety a striking appearance; it looks like rhubarb at first sight. Grow and cook it as you would other Chards, and you will find it even more delicious. Decorative in the flower garden, too. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25.



Giant Lucullus Swiss Chard

When you stake your
Tomatoes, fasten them with

PLANT-TWISTS, made of wire which bends easily,
plant is protected by soft fibers

50 cts. per 100

TOMATOES

One ounce will produce about 1000 plants. Yield begins 9 to 13 weeks after setting out.
Abundant source of vitamin C.



Ponderosa Tomato (Purple-red)

If leaves are being eaten, search for and destroy the large green Tomato horn worm.

840 Beefsteak or Crimson Cushion.

Largest of the bright red Tomatoes. Flat-tish round in shape, and thick from stem to blossom end. Brilliant scarlet-crimson; flesh of superb quality. Pkt. 25 cts., 3 pkts. 60 cts., oz. \$1.50, 1/4 lb. \$4.50.

841 Bonny Best.

A leading early sort. Bright red, medium size. Pkt. 10 cts., 3 pkts. 25 cts., oz. 95 cts., 1/4 lb. \$2.25.

842 Chalk's Early Jewel.

Large, bright red, deep, solid fruit. Bears all season; without a rival among the earlies. Pkt. 15 cts., 3 pkts. 40 cts., oz. \$1, 1/4 lb. \$2.50.

843 Climbing.

Runs 15 feet or more, and should be tied to tall stakes or trellis; though even without support it gives a high yield. Large crimson fruits average 3 1/2 inches across and 2 3/4 inches deep; for slicing or canning. Disease-resistant. Pkt. 20 cts., 3 pkts. 50 cts.

844 Earliana.

Earliest sort. Fruits average 3 inches across and 2 1/4 inches deep; solid; few seeds. Pkt. 15 cts., 3 pkts. 40 cts., oz. \$1.15, 1/4 lb. \$3.25.

847 Golden Jubilee.

Orange-yellow variety of high quality. Fruits are large, meaty, with few seeds; pleasant non-acid flavor; high in vitamins A and C. Splendid for yellow tomato juice and salads. Husky grower. Pkt. 20 cts., 3 pkts. 50 cts.

846 John Baer.

Early, bright red Tomato. The flesh is solid, possessing a fine flavor, free from acid. Heavy yielder. Pkt. 15 cts., 3 pkts. 40 cts., oz. \$1, 1/4 lb. \$2.50.

848 Marglobe.

Large Tomato of the globe type. Fine red color and of delicious table quality. Sets fruits medium early and continuously. It resists wilt and rust. Pkt. 15 cts., 3 pkts. 40 cts., oz. \$1, 1/4 lb. \$2.75.

850 Ponderosa.

Size is its chief characteristic. Solid and luscious, deep purple, ob-long and with small seed-cells. Frequently weigh one pound. Pkt. 20 cts., 3 pkts. 50 cts., oz. \$1.40, 1/4 lb. \$4.25.

851 Pritchard's Scarlet Topper.

Recommended for yield, meatiness, fine flavor, and small seed-cavity. A large scarlet globe, it slices economically. Resists wilt and rust. Pkt. 15 cts., 3 pkts. 40 cts., oz. \$1.10, 1/4 lb. \$3.

Although the purchase of plants is established practice with most home gardeners, growing Tomatoes from seed is economical and entirely practical. It should be sown sparingly in a hotbed, greenhouse, or in the home from the second week in February to the end of April. When the plants are about 2 inches high they should be transplanted about 4 inches apart, or thinned so that they do not overcrowd. Around May 15 the plants may be set out in the open ground, 3 feet each way. Protect each plant with a Cutworm Guard; otherwise cutworms may destroy it. For an autumn crop, sow seed in May in the open.

To have clean, disease-free Tomatoes provide each plant with a strong stake or other support.

852 Rutgers.

Vigorous plant; large, globular, deep red fruits in quantity. Resistant to disease and especially valuable on hill-side, light or poor land. Pkt. 15 cts., 3 pkts. 40 cts., oz. \$1.10, 1/4 lb. \$3.

853 Stokesdale.

An early variety. Heavy producer of fine-quality, half-pound, flat-tish-globe, scarlet fruits; small seed-cavity. Pkt. 15 cts., 3 pkts. 40 cts., oz. \$1, 1/4 lb. \$2.75.

854 Stone.

Main-crop favorite with truckers and canners. Vigorous. Deep red fruits are produced freely; uniform, large, round, smooth, meaty. Non-acid. Notable for yield and quality. Pkt. 10 cts., 3 pkts. 25 cts., oz. 95 cts., 1/4 lb. \$2.25.

855 Victor.

Early. Small vines; may be planted closer than most others; excellent for the home-garden. Fruits are bright scarlet, with a smooth skin. Pkt. 15 cts., 3 pkts. 40 cts., oz. \$1.10, 1/4 lb. \$3.

A Dwarf Tomato

865 Champion.

Potato-like foliage and a sturdy, stocky plant. Fruits medium size and purple-pink. Pkt. 15 cts., 3 pkts. 40 cts., oz. \$1.10, 1/4 lb. \$3.

Small-fruited Tomatoes

These are valuable for making pickles, preserves, pepper-hash, etc. Their small size, quaint shapes, and bright colors make attractive salads; pleasing, sweet flavor.

876 San Marzano.

Italian scarlet variety, with thick, somewhat dry flesh, for preserves, pastes and sauces. Plants are covered with cylinder-shaped fruits 2 1/2 inches long and 1 1/4 inches thick. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

870 King Humbert.

Bright scarlet fruits suggest a hen's egg in shape and size.

872 Red Cherry

873 Red Currant

875 Red Plum

879 Yellow Pear

874 Red Pear

871 Peach

878 Yellow Cherry

880 Yellow Plum

Above nine varieties, each, pkt. 15 cts., 3 pkts. 40 cts., oz. \$1.25, 1/4 lb. \$3.75

2A 869 Strawberry or Husk Tomato

Dwarf, spready plants produce sweet-flavored, yellow fruits about the size of a cherry and enclosed in a husk. Pkt. 15 cts., 3 pkts. 40 cts., oz. \$1.25, 1/4 lb. \$3.75.

Forcing Tomatoes

For cultivation under glass

891 Comet.

Is very short-jointed, fruiting close up to the stem. The deep scarlet Tomatoes are of medium size. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10, oz. \$1.50.

893 Michigan State Forcing.

Greenhouse variety. Wilt resistant and highly productive, with five to eleven fruits to a cluster. Medium size; deep scarlet. High quality flesh. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

894 Sunrise.

A fruit of fine quality, small to medium in size, perfectly round, and produced in long clusters. Splendid whole-salad variety. Outdoors also. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

9A 7542 SPERGON • Non-Poisonous

For treating all seeds before sowing; protects against fungi which cause decay and damping-off. Assures better germination, healthier plants and better yield. Oz. 25 cts., 5 ozs. \$1, lb. \$2.25.



Rutgers Tomato (Deep red)

TOBACCO

Sow thinly under glass in March or April. Press in gently; do not cover. Transplant at 30-inch intervals after May 15. Needs rich, porous, well-drained soil; its suitability influences smoking quality. Curing does also—obtain bulletins from your state college or department of agriculture.

830 Connecticut Seed Leaf.

Large leaf for cigar wrappers, fillers also.

831 Kentucky Burley.

For pipes and chewing.

832 Virginia Bright-Leaf.

Light-colored leaf, for cigarettes.

Above, each, pkt. 20 cts., 3 pkts. 50 cts., 6 pkts. 90 cts.

1/4 ounce provides enough plants for one acre.

INTERESTING ITEMS HERE.

PELLETIZED SEEDS for easy sowing. Each enclosed in a plastic Pellet. COLLECTIONS of Vegetable Seeds. They save Time and Money.

TURNIP

For early Turnips, sow as soon as the ground opens in spring in rows 15 inches apart and $\frac{1}{2}$ inch deep. Thin 3 inches from plant to plant. Sow again for winter use from June 15 to the middle of July.

Turnips are an outstanding source of vitamins B₁ and C. But serve turnip-tops (leaves) as spinach, boiled lightly, and you have a food of exceptional value: outstanding in vitamins A, C and G, also calcium; a good source of B₁, phosphorus and iron.

One ounce will plant about 150 feet of drill from which 150 pounds or more of Turnips will be dug.

White-fleshed Turnips

Ready in from 7 to 9 weeks

- 2A 900 **Early White Milan.** Quick to mature, the entire "bulb," inside and out, is clear white; the outer surface is perfectly smooth. Its table qualities are unequaled, being tender and of the most delicate flavor. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.
- 2A 903 **Purple-Top White Globe.** Spherical, skin white with upper third purple. Superior flavor. Stores over winter. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$1.90.
- 2A 904 **Snowball.** Early, globe-shaped root; smooth, clean, free from coarseness. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$1.90.
- 2A 902 **Purple-Top Milan.** A flat Turnip with the upper portion tinted purple. Flesh is pure white, delicate, and sweet. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.
- 901 **Long White or Cow-Horn.** Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.25.

Yellow-fleshed Turnips

- 2A 910 **Golden Ball or Orange Jelly.** A medium-sized Turnip with fine golden yellow flesh. Good table variety. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.
- 2A 911 **Yellow Aberdeen.** A hardy variety of fine form and excellent quality. It has a purple top, keeps well, and is excellent both for the table and for stock. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.
- 2A 912 **Yellow Stone.** A perfect medium size globe; pale yellow; very melting and buttery. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

An All-Leaf Turnip

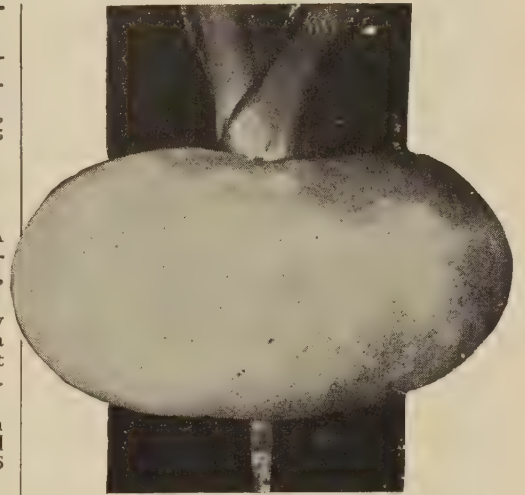
- 915 **Seven Top.** Very little root-development. The leaves are numerous and large; recommended to those who esteem flavorful, vitamin-packed Turnip-tops. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 55 cts., lb. \$1.25.

WATERMELONS

These are as easily grown as pumpkins or squash, and are recommended for the home-garden if you have the room. After mid-May sow about 8 seeds to a "hill" or group, and have the "hills" 8 feet apart. Thin to 3 plants to a "hill."

One ounce will plant about 35 "hills," and each "hill" should yield 3 to 5 Watermelons. Ready in from 12 to 13 weeks after sowing.

- 2A 932 **Dixie Queen.** High-quality, bright red flesh of fine texture. Oval fruits, striped dark green on light green; thin but tough skin. Small white seeds. Ships well; good north and south. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.
- 2A 933 **Honey Cream.** Flesh creamy yellow, sweet and good. It is quick (maturing in about 12 weeks) and therefore recommended for northern gardens. Fruits are large, nearly round and green, striped darker. Pkt. 20 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75.
- 2A 934 **Kleckley Sweets.** The sweetest of all the Watermelons. Long melons with very brittle, unusually thin, glossy dark green rind and firm, tender, fine-flavored, scarlet flesh. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.25.
- 2A 935 **Tom Watson.** A long melon with a tough rind. Flesh red, sweet, and tender. Prolific. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.
- 2A 930 **Citron.** Used for preserves. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.



Early White Milan Turnip

RUTABAGA (Swede)

These keep well through winter when stored in a cool frost-free cellar or in a pit in the garden.

Sow early in rows 18 inches apart. Thin to 6 inches between plants. Sow again from June 15 to July 15 for larger roots and for winter keeping.

- 2A 777 **Long Island Improved.** Large, smooth; flesh yellow and fine. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.85.
- 2A 775 **American Purple-Top.** Reddish purple top; nutritious yellow flesh; spherical shape. Oz. 30 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.
- Rutabagas are valuable foods for human consumption. American Purple-Top is also grown largely for winter feeding of animals. Sow 4 pounds per acre in June in drills 30 inches apart.

SORREL Sourgrass

Sow one ounce per 100 feet in spring in drills 12 inches apart.

779 **Garden.** Pleasant acid flavor. For salads; served boiled, or in soups. Yields for several years. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.75.

PELLETIZED SEEDS ARE MODERN

NO THINNING-NO TRANSPLANTING-NO WASTE

Easier to sow by hand, they run quickly and accurately through a seeding machine; readily placed the correct depth and distance apart.

Each seed is centered in a shot-like pellet of soluble plastic material with which are combined insecticides, fungicides and plant-foods. They grow quicker.

Following are available: Each, packet 25 cts.

- | | |
|------------------------------------|------------------------------------|
| 201P Beet, Crosby's Egyptain | 1259P Aster, Giant Single Mixed |
| 202P Beet, Detroit Dark Red | 1258P Aster, Late Branching Mixed |
| 240P Broccoli, Green Sprouting | 1497P Bachelor Buttons, Mixed |
| 250P Brussels Sprouts, Long Island | 1368P Calendula, Double Mixed |
| 261P Cabbage, Copenhagen Market | 1432P Cardinal Climber |
| 270P Cabbage, Danish Ballhead | 1607P Cosmos, Radiance |
| 318P Carrot, Chantenay Red-Cored | 1762P Eschscholtzia, Mixed |
| 324P Carrot, Danvers Half-Long | 1893P Hollyhock, Double Mixed |
| 352P Cauliflower, Snowball | 1940P Larkspur, Imperial, Double |
| 480P Chicory, Radichotta | 2029P Marigold, African, Mixed |
| 454P Cucumber, White Spine | 2079P Marigold, Dwarf French, |
| 484P Eggplant, Black Beauty | 2067P Marigold, French, Spry |
| 540P Lettuce, Black Seeded Simpson | 1912P Morning-Glory, Heavenly Blue |
| 510P Lettuce, Great Lakes | 2306P Petunia, Bedding Mixed |
| 529P Lettuce, White Boston | 2316P Petunia, Rose Morn Imprvd. |
| 602P Onion, Southport Wh. Globe | 2356P Phlox, Large Flower Dwarf |
| 612P Onion, Yellow Globe Danvers | 2410P Portulaca, Double Mixed |
| 640P Parsley, Champion Moss Crld. | 2411P Portulaca, Single Mixed |
| 705P Pepper, Ruby King | 2635P Sweet Peas, Summer Flower |
| 742P Radish, Scarlet Globe | 2773P Verbena, Giant Flower-Mixed |
| 756P Radish, White Icicle | 2812P Wallflower, Early Single |
| 856P Tomato, Break O'Day | 2854P Zinnia, California Giant |
| 852P Tomato, Rutgers | 2864P Zinnia, Dwarf Double Mixed |
| 903P Turnip, Pur. Top Wh. Globe | 2889P Zinnia, Lilliput Mixed |

COLLECTIONS OF VEGETABLES

These two Collections are for sowing OUTDOORS

COLLECTION A	COLLECTION B
12 pkts. \$1.75	16 varieties \$5.50
Value \$2.05	Value \$6.35
500-1000 sq. ft.	1250-2500 sq. ft. plus

- | | | |
|-------------------------------------|------|-------------------|
| Beans, Top Crop..... | Pkt. | Pkt. |
| Beans, Bountiful..... | Pkt. | Lb. |
| Beans, Fordhook 242 Lima..... | Pkt. | Lb. |
| Beet, Improved Wonder..... | Pkt. | Oz. |
| Carrot, Rubicore..... | Pkt. | Oz. |
| Corn, Honey Cross..... | Pkt. | $\frac{1}{4}$ lb. |
| Cucumber, Staygreen..... | Pkt. | Pkt. |
| Lettuce, New York 12..... | Pkt. | Oz. |
| Muskmelon, Bender's Surprise..... | Pkt. | Pkt. |
| Parsley, Evergreen..... | Pkt. | Pkt. |
| Pea, Little Marvel..... | Pkt. | Lb. |
| Radish, Cherry Belle..... | Pkt. | Oz. |
| Spinach, Emerald Standing..... | Pkt. | Oz. |
| Squash, Acorn (Table Queen)..... | Pkt. | Pkt. |
| Swiss Chard, Green Lyon..... | Pkt. | Oz. |
| Turnip, Purple-Top White Globe..... | Pkt. | Pkt. |

Sow following INDOORS, transplant later

COLLECTION D. Seven pkts. \$1. One each Broccoli, Cabbage, Cauliflower, Celery, Eggplant, Pepper, Tomato. Value \$1.45.

For both Indoor and Outdoor starting:

ASSORTMENT AD: A and D together. \$2.50.
ASSORTMENT BD: B and D together. \$6.25.

An Excellent Book is **GARDENING WITH HERBS** FOR FLAVOR AND FRAGRANCE, by Helen M. Fox, 334 pages - \$3.50

ANISE. *Pimpinella Anisum.* (A). Seeds for flavoring. Leaves as salad. 16 in. 2A 940 **Seed only**, pkt. 20 cts., oz. 75 cts.

BALM. *Melissa officinalis.* (P). Culinary. 18 in. 5A 4440 **Plants only**, \$1.30 for 3.

BASIL, SWEET. *Ocimum Basilicum.* (A). Medicinal; culinary. 15 in. 2A 946 **Seed only**, pkt. 20 cts., oz. \$1.

BASIL, LETTUCE-LEAVED. *O. bullatum.* (A). Larger leaves. Culinary. 1½ ft. 2A 945 **Seed only**, pkt. 25 cts., oz. \$1.25.

BEE-BALM (Oswego Tea; Bergamot). *Monarda hybrida.* (P). Fragrant. Medicinal. 3 ft. 5A 4441 **Plants only**, \$1.30 for 3.

BENE. *Sesamum orientale.* (A). Medicinal; flavoring. 18 in. 2A 947 **Seed only**, pkt. 15 cts., oz. 60 cts.

BORAGE (Gurkenkraut.) *Borago officinalis.* (A). Culinary. 18 in. 2A 948 **Seed only**, pkt. 20 cts., oz. 75 cts.

CARAWAY. *Carum Carvi.* (A). Seeds for flavoring. 18 in. 2A 950 **Seed only**, pkt. 20 cts., oz. \$1.

CATNIP. *Nepeta Cataria.* (P). Old sweet herb. 2½ ft. 2A 951 **Seed**, pkt. 25 cts. 5A 4444 **Plants**, \$1.30 for 3.

CHAMOMILE. *Antemmis nobilis.* (P). Medicinal. 1 ft. 5A 4445 **Plants only**, \$1.30 for 3.

CHIVES. *Allium Schoenoprasum.* (P). Mild onion flavor, used as a salad ingredient. 10 in. 2A 952 **Seed**, pkt. 25 cts., 3 pkts. 60 cts., oz. \$1.50. 4446 **Plants**, \$1.30 for 3.

CORIANDER. *Coriandrum sativum.* (A). Culinary. 2½ ft. 2A 953 **Seed only**, pkt. 20 cts., oz. 75 cts.

COSTMARY (Alecot). *Chrysanthemum Balsamita.* (P). Aromatic. 2½ ft. 5A 4447 **Plants only**, \$1.30 for 3.

DILL. *Anethum graveolens.* (A). Seeds are an ingredient in dill pickles. 2½ ft. 2A 955 **Seed only**, pkt. 10 cts., oz. 30 cts., ¼ lb. 75 cts.

FENNEL (Finocchio). *Foeniculum vulgare.* (A). Looks like celery but with feathered leaves and a sweet flavor. Leaf-bases are flattened in the type which we offer. Served as a vegetable, raw or cooked, while the seeds are used for flavoring. 2 ft. 2A 958 **Seed only**, pkt. 15 cts., oz. 50 cts., ¼ lb. \$1.50, lb. \$4.

HOREHOUND. *Marrubium vulgare.* (P). Seasoning; medicinal. 18 in. 2A 960 **Seed only**, pkt. 25 cts.

HYSSOP. *Hyssopus officinalis.* (P). Flavoring; medicinal; decorative. 1 ft. 2A 961 **Seed**, Pkt. 20 cts., oz. \$1. 5A 4448 **Plants**, \$1.30 for 3.

LAVENDER. *Lavandula vera.* (P). Dried flowers impart a fragrance to linen; from them lavender-water is distilled. 964 **Seed**, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10. 4449 **Plants**, \$1.30 for 3.

LAVENDER-COTTON. *Santolina incana.* (P). Aromatic; decorative. 5A 4450GN Green foliage or 5A 4450GY gray (state preference). 18 in. **Plants only**, \$1.30 for 3.

HERBS **Aromatic Culinary Medicinal**

For the Kitchen Garden and for the formal, fragrant, old-time Herb Garden

A, Annual, or treat as an Annual. P, Perennial.

LEMON VERBENA. *Aloysia citrodora.* (P). Fragrant. Protect over winter. 4 ft. 5A 4451 **Plants only**, \$1.30 for 3.

MARJORAM, POT. *Origanum vulgare.* (P). Culinary; decorative. 20 in. 5A 4452 **Plants only**, \$1.30 for 3.

MARJORAM, SWEET or KNOTTED. *O. Majorana.* (P). Culinary; aromatic. 2 ft. 967 **Seed**, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10. 4453 **Plants**, \$1.30 for 3.

MINT, ANISE. *Mentha viridis anisata.* (P). Flavoring. 2 ft. BA 4454 **Plants only**, \$1.30 for 3.

MINT, APPLE. *M. rotundifolia.* (P). Flavoring. 2½ ft. 5A 4455 **Plants only**, \$1.30 for 3.

MINT, LEMON or BERGAMOT. *M. citrata.* (P). Flavoring; aromatic. 8 in. 5A 4458 **Plants only**, \$1.30 for 3.

PEPPERMINT. *M. piperita.* (P). English. Flavoring. 3 ft. 5A 4459 **Plants only**, \$1.30 for 3.

SPEARMINT. *M. virilis.* (P). The common garden Mint. For Mint sauce, julep, jelly, etc., and for flavoring vegetables in cooking. 2 ft. 5A 4461 **Plants only**, \$1.30 for 3.

PENNYROYAL, ENGLISH. *M. Pulegium.* (P). Aromatic; medicinal; culinary. 1 ft. 5A 4462 **Plants only**, \$1.30 for 3.

ROSEMARY. *Rosmarinus officinalis.* (P). Seasoning; aromatic. 4 ft. 970 **Seed**, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10. 4463 **Plants**, \$1.30 for 3.

RUE. *Ruta graveolens.* (P). Bitter medicinal plant. 2½ ft. 5A 4464 **Plants only**, \$1.30 for 3.

SAGE, Common. *Salvia officinalis.* (P). Dried leaves are employed for stuffings and sauces. 15 in. 973 **Seed**, pkt. 25 cts., 3 pkts. 60 cts., oz. \$1.50. 4465 **Plants**, \$1.30 for 3.

ST. GEORGE'S HERB (Valerian; Heal-All). *Valeriana officinalis.* (P). Medicinal. 3½ ft. 5A 4466 **Plants only**, \$1.30 for 3.

SAVORY, SUMMER (Bohnenkraut). *Satureja hortensis.* (A). Culinary. 18 in. 974 **Seed only**, pkt. 20 cts., 3 pkts. 50 cts., oz. \$1.

SAVORY, WINTER. *S. montana.* (P). Culinary; medicinal; decorative. Mulch over winter. 1 ft. 5A 4467 **Plants only**, \$1.30 for 3.

TANSY. *Tenacetum vulgare.* (P). Culinary. 1 ft. 5A 4468 **Plants only**, \$1.30 for 3.

THYME, CITRON or LEMON. *Thymus citriodorus.* (P). Aromatic; decorative. 10 in. 5A 4469 **Plants only**, \$1.30 for 3.

THYME, COMMON (English Thyme). *T. vulgaris.* (P). Broad leaves. For seasoning foods. Excellent edging plant. 8 in. 981 **Seed**, pkt. 25 cts., 3 pkts. 60 cts. 4470 **Plants**, \$1.30 for 3.

THYME, FRENCH. *T. vulgaris.* (P). Smaller plant. 8 in. 5A 4471 **Plants only**, \$1.30 for 3.

THYME, CRIMSON. *T. serpyllum coccineus.* (P). Decorative; aromatic. 1 ft. 5A 4472 **Plants only**, \$1.30 for 3.

MOTHER OF THYME (Creeping Thyme). *T. serpyllum.* (P). Decorative evergreen; culinary. 10 in. 2A 982 **Seed**, pkt. 50 cts., 3 pkts. \$1.25, ½ oz. \$2. 5A 4473 **Plants**, \$1.30 for 3.

WOODRUFF (Waldmeister). *Asperula odorata.* (P). Aromatic; flavoring; decorative. 8 in. 5A 4474 **Plants only**, \$1.30 for 3.

WORMWOOD, COMMON (Wermuth). *Artemisia Absinthium.* (P). Medicinal; flavoring. 18 in. 2A 986 **Seed only**, pkt. 25 cts.

WORMWOOD, FRINGED. *A. frigida.* (P). Aromatic. 1½ ft. 5A 4476 **Plants only**, \$1.30 for 3.

OLD MAN (Southernwood; Lad's Love). *A. Abrotanum.* (P). Aromatic. 3½ ft. 5A 4478 **Plants only**, \$1.30 for 3.

TARRAGON (Estragon). *A. Dracunculus.* (P). For salads and flavoring vinegar. 5A 4480 **Plants only**, \$1.50 for 3, \$5.50 per doz.

YARROW, WOOLLY. *A. tomentosa.* (P). Decorative. 1 ft. 5A 4482 **Plants only**, \$1.30 for 3.



Sage

Summer Savory

COLLECTIONS OF HERBS

Fragrant Herbs

COLLECTION 5A 4483 12 plants, one each of 12 varieties \$5 00
COLLECTION 5A 4484 36 plants, three each of 12 varieties 14 25

Ornamental Herbs, for the Formal Garden

COLLECTION 5A 4485 12 plants, one each of 12 varieties \$5 00
COLLECTION 5A 4486 36 plants, three each of 12 varieties 14 25

For the Kitchen, Culinary Herbs

COLLECTION 5A 4487 12 plants, one each of 12 varieties \$5 00
COLLECTION 5A 4488 36 plants, three each of 12 varieties 14 25

Culinary Herbs from Seeds

COLLECTION 2A 994: 5 packets, one each of Basil, Caraway, Coriander, Dill, Summer Savory. \$0 75

These annuals are desirable to round off Collection 5A 4487 or 5A 4488, giving you 17 different Culinary Herbs in all.

Scented Geraniums

Charming plants for a sunny situation. In fall they may be cut back hard, potted, and brought indoors for ideal house plants.

We offer nine distinct perfumes:

5A 4489 Balm	5A 4494 Orange
5A 4490 Balsam	5A 4495 Peppermint
5A 4491 Filbert	5A 4496 Rose (Green Leaf)
5A 4492 Lemon	5A 4497 Rose (Variegated Leaf)
5A 4493 Nutmeg	

Above 9, out of pots, for planting in your garden, \$1.50 for 3, \$5.50 per doz.

Our Nursery Department also offers . . .

5A 4498 PARSLEY PLANTS. Pot-grown, \$2.25 per doz. Parsley furnishes more iron than spinach. Excellent source of vitamins A and C and a good source of vitamin B.

For Pruning, we advise the **CROWN SECATEUR.**

Double-cut, razor sharp;
British made of Sheffield steel **\$6.25**

BUSH FRUITS

Ample repay high cultivation. Plant following three in rows 6 feet apart, 3 feet apart in the row. Cut out all old wood as soon as the canes have done bearing.

Young branches which appeared during the season may be tied to stakes to keep them off the ground; they bear next year.

BLACKBERRIES

2-yr. plants, 60 cts. for 3, \$2 per doz.,
\$15 per 100

Alfred. Sweet and very hardy type; early. Large.
Eldorado. Large, black, very sweet berries.

THORNLESS BOYSENBERRIES

Wine-red berries larger than blackberries, with a distinct flavor. Few seeds. Strong canes. 85 cts. for 3, \$3 per doz., \$22.50 per 100.

RASPBERRIES

2-yr. transplanted stock, 75 cts. for 3,
\$2.50 per doz., \$18.50 per 100

Chief. (Red.) Midseason variety of heavy yield.
Cumberland. (Black.) Heavy bearer. Midseason.
Indian Summer. (Everbearing.) Fine red variety. Full crop in June; another in fall.
Latham. (Red.) A full crop of high-quality berries June and July. Large, firm, sweet.
St. Regis, Everbearing. (Red.) Crimson berries from early until late. Delicious.
Yellow Queen. Unusual amber-colored berry of excellent eating quality.



Currants

BLUEBERRIES

Like moist, sour soil. To ordinary land add large quantities of peat and sand. Plant 4 feet apart.

***Burlington.** The mammoth berries are shown in color on page 27. Newest and best.

***Concord.** Grows 6 feet tall and bears heavy crops of large berries of best quality in July.

Jersey. Very large and vigorous bush; largest, light blue berries.

***Rancocas.** Slender, upright, 5-foot bush, vigorous and early. Berries are large.

Rubel. Another 6-foot variety which ripens berries in August. Large fruit of fine color.

Each above, roots balled and burlapped, 12 to 18 in., \$4 for 3, \$15 per doz., \$115 per 100

COLLECTION: 3 plants, each sort, marked *, \$4.25, 12 plants, four each \$15.50



A mulch of salt hay or straw makes for cleaner, larger Strawberries; keeps weeds down also. Always use potted plants; they transplant more readily.

CURRANTS

2-yr. plants, \$1.10 for 3, \$4 per doz.,
\$32.50 per 100

Fay's Prolific. Vigorous, productive bushes. Clusters of dark red, juicy berries.
Pres. Wilder. Upright bush. Fine, large, bright red berries, firm and juicy.

GOOSEBERRIES

2-yr., \$2.15 for 3, \$8.25 per doz.,
\$67.50 per 100

Downing. Prolific with large pale green berries, full flavored and good.
Houghton. Medium-sized red berries.

Owing to quarantine regulations, we cannot ship these outside New York State.

Plant Currants and Gooseberries in rows 6 feet apart, and 4 feet apart in the rows, or, if to be cultivated both ways, 5 feet apart each way.

GRAPES

Plant at least 6 feet apart in good soil and train on wire or other support. All 2-yr. selected stock.

Caco. (Red.) Large wine-red berries. Midseason. 60 cts. each, \$1.75 for 3, \$6 per doz.

Catawba. (Red.) Dark purplish red berries, extra quality. Late. 45 cts. each, \$1.25 for 3, \$4.50 per doz.

Concord. (Black.) Standard variety. Midseason. 35 cts. each, \$1 for 3, \$3.50 per doz.

Concord Seedless. Similar, but seedless. \$1.50 each, \$4.25 for 3, \$15 per doz.

Golden Muscat. (Yellow.) Large yellow. Midseason. \$1.50 each, \$4.25 for 3, \$15 per doz.

Niagara. (White.) Midseason; greenish white. 45 cts. each, \$1.25 for 3, \$4.50 per doz.

Portland. (White.) An early green-white Grape of highest quality. 60 cts. each, \$1.75 for 3, \$6 per doz.

Worden. (Black.) Large clusters blue-black Grapes. Earlier than Concord. 45 cts. each, \$1.25 for 3, \$4.50 per doz.

STRAWBERRIES

Strong, well-developed plants in pots.

Rich soil, kept firm, and with a plentiful supply of moisture, is desirable. Select potted plants and space them at 9-inch intervals in rows 2 feet apart in spring or late summer.

Keep the row well weeded at all times, and your hoeing must be very shallow, because all feeding roots are close to the surface. Whiten the soil around the plants with General Garden Fertilizer in November and May. Spread 1/2 inch of peat moss over both ground and plants in December, and brush it lightly off the leaves in April.

Strawberry plants produce daughter plants around the parent, and as care of a bed develops into routine, it is usual to retain daughter plants at approximately 9 inches apart; in early autumn, transplant surplus plants into new rows. Destroy two-year-old parents.

Runners connecting plants should be cut as soon as young ones are rooted.

Available in Spring and Autumn

Early

Dorsett. A very vigorous-growing, early variety.

Fairfax. Berry of exceptional firmness.

Premier. Produces an abundance of large fruit, flame-colored.

Potted plants, \$1.75 per doz., \$3.35 for 25,
\$12.50 per 100

Midseason and Late

Big Joe. Very productive; extremely large berries, and one of the best-flavored sorts. In size, firmness, yield, color, and quality, it leads. Midseason.

Catskill. Midseason. Fruit extremely large.

Chesapeake. Extra large. Late.

Fairpeake. Later than Chesapeake. Vigorous grower, heavy bearer; average-size berries.

Red Star. Large, solid berry, red clear through. Very late.

Temple. Very productive; berries medium to large. Medium red.

Potted Plants, \$1.75 per doz.,
\$3.35 for 25, \$12.50 per 100

The above types produce one abundant crop of flowers, followed by fruit, in spring or early summer.

The following types produce flowers rather sparingly all the year. By keeping these pinched off in spring and summer until August 15, and so building up reserved strength in the plant, a fair crop of good fruit will be developed for the autumn.

Everbearing Varieties

Mastodon. From summer to late fall.

Gem. Berries of medium size and full flavored.

Potted Plants, \$2.50 per doz., \$4.50 for 25,
\$15 per 100

ALPINE STRAWBERRIES (Small-Fruited)

Plant in borders, rock-gardens, or beds and enjoy a crop of small, delicious berries all summer. Charming in appearance. In flavor it is similar to the Wild Strawberry.

Baron Solemacher. Sweet red fruits.

Potted Plants, \$1.75 per doz., \$3 for 25,
\$10 per 100

Alpine Strawberries may also be grown from seed. See Flower Seed section

FRUIT TREES STANDARDS

Purchaser pays transportation on fruit trees

APPLES 6-7 ft.

\$3.50 each, \$38.50 per doz.

Should produce fruit the fourth year and continue for half a century. Plant 40 feet apart.

Baldwin. (Late.) Deep red. All purpose.

Delicious. (Late.) Dark red eating Apple.

Greening. (Winter.) Large yellow-green fruit.

Grimes Golden. (Late.) One of the best-flavored Apples grown; aromatic and delicious. Skin yellow.

Hyslop. (Crab.) Red and yellow striped.

McIntosh. (Late.) Dark red, white-fleshed.

Red Rome Beauty. (Late.) Vigorous grower, with fine all-red, round fruit; often bearing a year sooner than most.

Stayman Winesap. (Winter.) Yields bumper crops of good bright Apples, which keep remarkably well.

Williams' Early Red. (Early.) One of the best.

Yellow Delicious. (Late.) Large; golden yellow.

Yellow Transparent. (Early summer.) Fruit medium to large, with yellow, waxy skin.



Bing Cherries

CHERRIES 5-6 ft.

First 6 kinds, \$4.50 each, \$49.50 per doz.

Sweet Cherries do well on light land and grow into larger trees than the sour variety which thrives in heavier soil. Plant 25 feet apart.

Bing. (Midseason; sweet.) Very hardy, almost black. Recommended.

Black Tartarian. (Early; sweet.) Large, black.

Governor Wood. (Early; sweet.) Large, yellow.

Improved Montmorency. (Midseason; sour.) Attractive red fruit with firm flesh.

Sweet September. Patent No. 94. (Late; sweet.)

Yellow Spanish. (Sweet.) Amber.

Hansen Bush. The fruit of this Bush Cherry resembles a plum in size and shape; it comes in clusters completely covering the branches. The bush grows 5 to 6 feet tall and usually bears the second year. Good flavor; excellent for eating and making jams and jellies. 2-yr. plants, 18 to 24 in., \$1 each, \$11 per doz.

The Welcome Gift

Of our thousands of merchandise items, many make ideal PRESENTS for anniversaries, birthdays, Easter, Mother's Day, Christmas or merely to say "thank you"—a collection of seeds; new dahlias, perhaps; roses, perennials, Epicure foods or some garden gadget.



The ideal home-garden—fruits, vegetables and flowers

APRICOTS 6-7 ft.

\$4.50 each, \$49.50 per doz.

Earlier than most peaches; fruits are small but numerous.

Early Golden. Fruits large; almost peach-like in size.

Alexander. Cold-resistant variety; small sweet freestone.

QUINCE 5-6 ft.

Orange. Excellent for cooking and preserving. An early variety, and good. \$4.50 each, \$49.50 per doz.

PEARS 5-7 ft.

\$4 each, \$44 per doz.

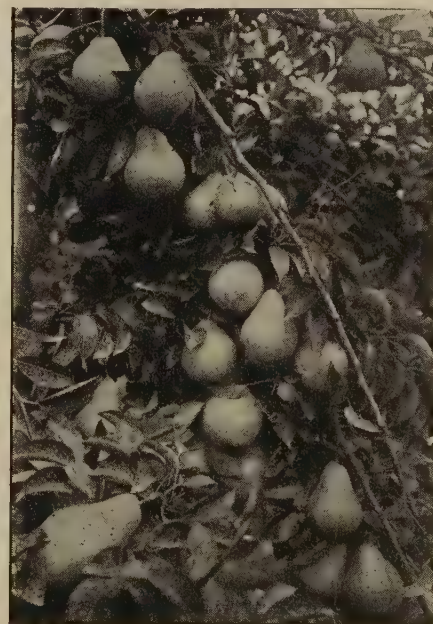
Will grow on any good loamy soil, preferably one on the heavy side. Plant 20 feet apart and they should begin to yield the third year after planting.

Anjou. (Late fall.) Large yellow Pear blushed red.

Bartlett. (Late summer.) Large yellow fruit.

Seckel. (Autumn.) Small brown fruit.

Kieffer. (Autumn.) Gold, blushed red.



Bartlett Pears

PEACHES 6-7 ft.

\$3.50 each, \$38.50 per doz.

Should begin to yield the second year; they usually live ten to fifteen years. Plant 20 feet apart.

Belle of Georgia. (Late.) White freestone.

Elberta. (Midseason.) Yellow freestone.

Hiley. (Early.) White freestone.

J. H. Hale. (Midseason.) Yellow freestone.

Red Haven. (Early.) Fine yellow freestone.

NUTS

Landscape Your Grounds with Food Plants

Black Walnut (*Juglans nigra*). Handsome spreading tree, eventually reaching 100 feet. Starts early, bearing delicious, but hard-shelled nuts. 2 to 3-ft. saplings, \$2 each, \$5.75 for 3, \$22 per doz.

English Walnut (*Juglans regia*). Matures at 75 feet; eventually produces a heavy annual crop of nuts in latitudes south of New York City, where, and in nearby New England it is an effective shade tree. 2 to 3-ft. saplings, \$3.50 each, \$10.25 for 3, \$38.50 per doz.

Hazel Nut (American Filbert). Maturing at 10 feet, attractive bush yields abundant crops of palatable round nuts. 2 to 3 ft., \$3.50 each, \$10.25 for 3, \$38.50 per doz.

Chinese Hybrid Chestnuts (blight-resistant) offered on page 79.

PLUMS 6-7 ft.

\$4.50 each, \$49.50 per doz., except where stated.

Plums do best on rather heavy clay soils but will give good results almost anywhere. Broken or diseased branches are pruned out late each winter.

Abundance. Flesh light yellow, very sweet.

Burbank. Large dark violet fruit.

Italian Prune. Large fruit, purplish blue-black.

Shropshire Damson. Clusters of rather small fruit; ideal home-garden variety.

Stanley. Midseason, late. Splendid large dark blue, sweet Prune.

Howard's Miracle. Newest and best-tasting Plum grown. See illustration on next page. \$2 each, \$5.75 for 3, \$22 per doz.

Fruit trees need the help of plant nutrients offered on pages 101 and 102, and sprayers and dusters listed in our implement section. See pages 99 and 100 for appropriate fungicides and insecticides.

May we draw your attention to the Warranty under which our products are sold? Details on page 104.



BIG JOE STRAWBERRY

NOTHING LIKE HOME-GROWN FRUITS

At left is a very productive **Strawberry—Big Joe**. It leads in size, firmness, yield, color and quality. **Potted plants, \$1.75 per doz., \$12.50 per 100.**

OUTSTANDING BLUEBERRIES

Sturdy Bushes. 12 to 18 inches

They like moist, well-drained and slightly acid soil.

***Rancocas**. Early. ***Concord**. Midseason

***Burlington**. Late. **Rubel**. Late.

Jersey. Late.

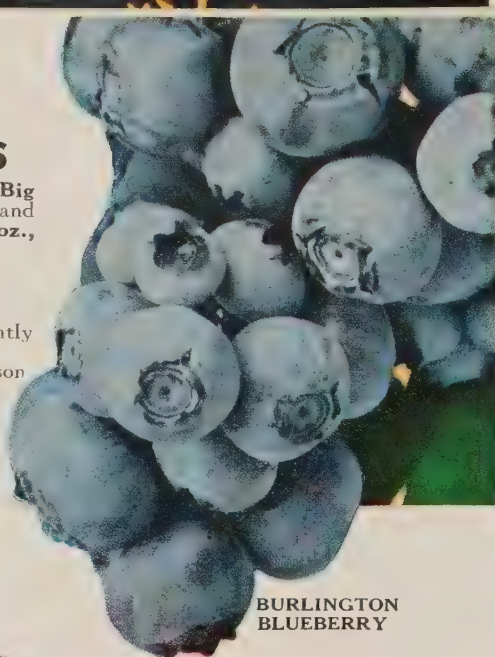
Above, each variety, \$4 for 3, \$15 per doz.,

\$115 per 100

COLLECTION:

3 plants, one each sort marked* \$4.25

12 plants, four each \$15.50



BURLINGTON BLUEBERRY



THORNLESS BOYSENBERRY

85 cts. for 3

\$3 per doz.

\$22.50 per 100



HOWARD'S MIRACLE PLUM.

\$2 each, \$5.75 for 3, \$22 per doz.

YOU'VE NEVER TASTED PLUMS LIKE THESE!

The great size, the new delicious flavor (Is it Nectarine? Is it Peach? Is it Plum?), the firm amber flesh, make it the most exciting fruit grown today. Plant one or more of these exceedingly fast-growing, quick-bearing trees and harvest fruit the second year. Bears through July and August.



ELDORADO BLACKBERRY

60 cts. for 3, \$2 per doz., \$15 per 100



PORTLAND GRAPE

60 cts. each, \$1.75 for 3, \$6 per doz.



INDIAN SUMMER RASPBERRY

(Everbearing)

75 cts. for 3, \$2.50 per doz., \$18.50 per 100

These Beautiful Annuals

WILL MAKE YOUR GARDEN A RIOT OF COLOR AT LOW COST

Sow outdoors in spring. Or seeds may be started in a sunny window, hotbed or coldframe in March and transferred to the garden as soon as frost is over. Allow 12 to 18 inches between plants.

Midseason Giant Asters

Sturdy, upright, wilt-resistant plants bear flowers often measuring 6 inches across.

1226 Azure-Blue. 1232 White. 1227 Lilac.
1231 Shell-Pink. 1228 Rich Rose. 1229 Purple.

Each color, pkt. 25 cts., 3 pkts. 60 cts., oz. \$2.50

2937 COLLECTION: 1 packet each above 6 Asters, \$1.15

Mixed Snapdragons. Maximum type

1065. All Colors Mixed. Pkt. 20 cts., 3 pkts. 50 cts., 1/4oz. \$1.

2930. COLLECTION: 5 packets, each a distinct color, \$1.



1607 RADIANCE COSMOS. New!

All-America Silver Medal Winner for 1948. A 5-foot variety, rugged, strong, bearing a wealth of huge blooms that are rose-pink with a wide inner zone of deep crimson and a cushion of yellow stamens in the center.

A two-color Cosmos is a novelty, but the deep crimson hue is indeed unusual. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

1642 DWARF BEDDING DAHLIAS

Easily grown from seed. Flower brilliantly in 3 months. Mixed colors, many double. Height 2 ft. Pkt. 35 cts., 3 pkts. 90 cts., 1/4oz. \$1.25.

DOUBLE KING CARNATIONS

Remove side-buds and allow one flower to a stem.

1441 Maroon King
1444 Rose King
1443 Red King
1442 Pink King
1445 White King
1446 Yellow King

Each, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10, 1/4oz. \$1.50

2943 COLLECTION: 1 packet each above 6 Carnations, \$1.15

1024 VIOLET QUEEN ALYSSUM

Fragrant flowers. Pkt. 15 cts., 3 pkts. 40 cts., 1/4oz. 75 cts., oz. \$2.50



Plant out the seedlings 12 in. apart, and you will have Carnations that are full, sweetly perfumed and medium large.

QUALITY FLOWER SEEDS

Tiny Capsules of Beauty to Set Your Garden Ablaze with Color



Ageratum

AGERATUM (Floss Flower). *Annual*. Tassel-like clustered flowers, for edging or bedding. Start indoors and transfer to the open in May, or sow outdoors in May.

- 1010 **Blue Bedder**. Midget; large, deep lavender-blue flowers. 4 in. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
 1014 **Midget Blue**. Miniature sort for edging; a mass of azure-blue flowers. 4 in. Pkt. 25 cts., 3 pkts. 60 cts., 1/2 oz. \$1.50.
 1012 **Fairy Pink**. Starting to bloom even when half grown. Soft salmon-rose. 5 in. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
 1013 **Improved Blue Ball**. Compact plants. Large, blue flowers. 4 in. Pkt. 25 cts., 3 pkts. 60 cts., 1/2 oz. \$1.75.
 1011 **Blue Perfection**. Deep blue. 6 in. Pkt. 15 cts., 3 pkts. 40 cts., 1/4 oz. 75 cts., oz. \$2.50.

1001 **ABRONIA umbellata** (Sand Verbena). *Annual*. Rosy pink; 9 in. Trailing plant, with flowers in clusters. Fragrant at night. Pkt. 15 cts., 3 pkts. 40 cts.

ACHILLEA (Yarrow). *Perennial*.
 1002 **Parmica, The Pearl**. White; 2 1/2 ft. Small, double flowers in dense clusters. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.
 1003 **Millefolium roseum**. Pink. 1 1/2 ft. Pkt. 25 cts., 3 pkts. 60 cts.

1005 **ACONITUM Wilsoni** (Monkshood). *Perennial*. Mid-blue; 6 ft. Spikes of helmet-shaped flowers until November. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
 1006 **Napellus**. Blue, 3 to 5 ft. Pkt. 20 cts., 3 pkts. 50 cts., 6 pkts. 90 cts.

1008 **ACROCLINIUM** (Everlasting). *Annual*. Chaffy, double, daisy-like flowers; for dried bouquets. 20 in. Mixed. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

1020 **AGROSTEMMA Coronaria** (Rose Campion; Mullen-Pink; Dusty Miller). *Perennial*. Woolly leaves and stems, with 1-inch terminal five-petal flowers of brilliant crimson. 2 1/2 ft. June to Sept. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

ANCHUSA (Alkanet). Striking hairy-leaved plants with large, myosotis-like flowers.
 1037 **Italica, Dropmore Variety**. *Perennial*. Gentian-blue flowers, July to Sept. 5 ft. Pkt. 15 cts., 3 pkts. 40 cts.
 1038 **Myosotidiflora**. *Perennial*. Mass of blue. 1 1/2 ft. Pkt. 25 cts., 3 pkts. 60 cts.
 1036 **Annual, Blue Bird**. Dwarf, compact type, with vivid indigo-blue blossoms. 1 1/2 ft. Pkt. 15 cts., 3 pkts. 40 cts.

SWEET ALYSSUM • Madwort

Popular annuals, ideal for edging. Sow in the open in spring where they are to flower, and thin or transplant to 6 inches apart. Or start them indoors and transfer to the garden.

3A 1025 **White Carpet**. (*A. compactum*). *Annual*. White; 3 in. Flowers smother the plants. Pkt. 15 cts., 1/4 oz. 30 cts., oz. \$1.

3A 1021 **Annual Yellow**. (*A. lutescens*). *Annual*. Pale yellow, fading white. 6 in. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

3A 1023 **Little Gem** (*A. maritimum*). *Annual*. White; 6 in. Each plant covers a circle of 12 to 20 inches. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

3A 1022 **Sweet Alyssum** (*A. Benthami*). *Annual*. White; 9 in. Well known; fragrant. Pkt. 10 cts., 1/4 oz. 15 cts., 50 cts., 1/4 lb. \$1.75.

3A 1024 **Violet Queen**. *Annual*. Dwarf and free flowering. Fragrant deep violet blossoms. Pkt. 15 cts., 3 pkts. 40 cts., 1/4 oz. 75 cts., oz. \$2.50.

3A 1027 **Saxatile compactum** (Golden Rain). *Perennial*. Yellow; 15 in. Rock or border plant; bright yellow flowers from April to June. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.75.

3A 1028 **Saxatile, Silver Queen**. *Perennial*. Lemon; 15 in. Early-blooming; appreciated for its masses of the palest lemon flowers. Pkt. 25 cts., 3 pkts. 60 cts., 1/4 oz. \$1.25.

3A 1029 **Perennial Rock Species, Mixed**. Includes such varieties as Montanum, Rostratum, Corymbosum, Gemonense, etc. Pkt. 25 cts., 3 pkts. 60 cts., 1/4 oz. \$1.25.

ANEMONE (Windflower). *Perennial*. These types are for growing under glass; they need winter protection outdoors. 1 ft.

3A 1041 **Giant de Caen, Mixed**. Giant French Anemone. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

1040 **Blue Poppy**. Fine; all-blue. Pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75.

1042 **His Excellency**. Scarlet-red. Pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75.

1043 **St. Brigid, Creagh Castle Strain, Mixed**. Variety of colors. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

ANTHEMIS. *Perennial*. Scented foliage.

3A 1046 **Kelwayi**. (Marguerite). Large, yellow daisy flowers. 2 ft. July-Sept.

3A 1047 **Tinctoria**. Fine-cut foliage with 2-inch yellow flowers. 3 ft. June-Oct.

Each, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.



Arctotis



Sweet Alyssum

AMARANTHUS. *Annual*. Brilliant-foliaged plants, some bearing curious flowers.
 1032 **Molten Fire**. Scarlet; 4 ft. Bronze foliage tipped with fiery scarlet. Pkt. 20 cts., 3 pkts. 50 cts., 6 pkts. 90 cts.

1033 **Tricolor** (Joseph's Coat). 2 1/2 ft. Leaves red, yellow, and green. Pkt. 10 cts., 3 pkts. 25 cts., 6 pkts. 40 cts.

1153 **ARABIS alpina** (Rock-Cress). *Perennial*. White; 1 ft. Spreading tufts flower in Apr. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.75.

1154 **Alpina rosea**. *Perennial*. Pink; 1 ft. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

ARCTOTIS (African Daisy). *Annual*. Woolly leaves and daisy-like flowers.

1157 **Grandis**. Lilac; 3 ft. Large flowers, showy, white above, lilac-beneath. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

1158 **Sawco Hybrids**. 1 ft. Coppery rose, red, crimson, orange, gold, cream. Pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75.

ARMERIA (Sea Pink; Thrift). *Perennial*. Useful and effective, tufted rock-garden plants with reed-like leaves and dense, ball-shaped flowers from June to August.

1160 **Formosa, Large-flowering Hybrids**. Mixed colors; 16 in. Pink, red, carmine. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

1162 **ASCLEPIAS tuberosa** (Butterfly Weed; Pleurisy Root; Orange Milkweed). *Perennial*. Showy orange clusters; 2 1/2 ft. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

1165 **ASPARAGUS plumosus nanus**. *Greenhouse Plant*. For house or conservatory. Fine fern-like foliage; indispensable for use with cut-flowers.

1166 **Sprengeri**. *Greenhouse Climber*. For hanging-baskets or table decoration. Leaflets 1 inch long.

Each, pkt. 25 cts., 100 seeds 75 cts., 500 seeds \$3, 1000 seeds \$5

AUBRETIA (False Wall Cress). *Perennial*. Rock-plants, forming mats of foliage with blue flowers in spring and summer. 6 in.

1271 **Græca**. Light blue. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

1272 **Large-flowering Hybrids, Mixed**. Wide color-range. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

1274 **BALLOON VINE** (Love-in-a-Puff). *Annual Climber*. Will grow to 10 feet and cover fences, arbors, trellises, etc. Small white flowers are followed by 1-inch inflated fruits, nearly globular and three-angled. Interesting plant. Native of Bermuda, Florida and Texas. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.



Antirrhinum

Greenhouse Antirrhinums

Of Special Interest to Producing Florists

To obtain a succession of bloom, monthly sowings are usually made, starting in July.

- 3A 1094 **America**. Brilliant rose-pink with orange lip, blending into pure lemon. Fine winter bloomer. Pkt. \$2.
- 3A 1097 **Better Times**. Real American Beauty rose color. Pkt. \$2.
- 3A 1105 **Christmas Cheer**. Fine rose; midwinter. Heavy yielder. Pkt. \$1.50.
- 3A 1106 **Ethel**. Early golden yellow. Pkt. \$1.50.
- 3A 1108 **Glorious**. Bright scarlet-bronze. Early. Pkt. \$2.
- 3A 1109 **Hodaly's Ideal**. Prize-winner. Carmine, shading to orange and lavender, tipped yellow; white throat. Pkt. \$2.
- 3A 1111 **Junglewood White**. New York Florists' Club Silver Medal. Pure white; deep green foliage; long stems. Pkt. \$2.
- 3A 1112 **Junglewood Yellow**. A rich yellow by the introducer of Junglewood White. Strong grower. Pkt. \$2.
- 3A 1114 **Klondyke Supreme**. Very deep yellow. Early. Pkt. \$1.50.
- 3A 1115 **Koster's White**. One of the best and most popular pure white Snaps. Vigorous grower, producing long and strong stems. Pkt. \$2.
- 3A 1117 **Lady Dorothy**. New York Florists' Club Silver Medal. Beautiful reddish bronze. Early. Pkt. \$3.
- 3A 1121 **Maryland Pink**. Pastel pink. Pkt. \$3.
- 3A 1122 **Radiance**. Large; rose-pink. Pkt. \$1.
- 3A 1126 **St. Louis Early Pink**. One of the best. Pkt. \$2.
- 3A 1131 **Velvet Beauty**. Rose-red. Pkt. \$1.
- 3A 1135 **White Wonder Improved**. Finest pure white; large spikes. 5 ft. Pkt. \$1.50.

Rust-Resistant Outdoor Antirrhinums • Snapdragons

Of simple culture, with hooded florets on long spikes. Excellent border and bedding plants. Mass plantings make an excellent show, and for cutting they are ideal.

Treat as Annuals. Sow seed in open ground early in May, or indoors in March for transplanting. More than 75 per cent of the plants resulting from seed of the following three types will be absolutely rustproof.

Up-to-Date Tetra Snapdragons

These are the result of modern scientific effort: a race of Snapdragons has been developed that has largest flowers of any known. Basal-branching plants are tougher, more vigorous, with leather-like leaves and stouter stems. Many of the blossoms are ruffled.

1048 **Tetra Mixed**. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10, 1/4oz. \$1.50.

Maximum (Super-Giants; 3 ft.)

For the back of your annual border.

- 3A 1049 **Alaska**. Pure white.
- 3A 1051 ***Apple Blossom**. Light pink.
- 3A 1055 ***Canary Bird**. Canary; deeper lip.
- 3A 1057 **Copper King**. Copper; gold lip.
- 3A 1058 ***Copper Queen**. Bronze, blended old-gold.
- 3A 1059 ***Crimson**. Deep crimson.
- 3A 1060 ***Loveliness**. Soft rose-pink.
- 3A 1061 **Swingtime**. Large pink florets, tipped yellow, and with a white throat.
- 3A 1063 **Yellow Giant**. Closely placed flowers on large trusses; the deepest yellow.
- Each, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10
- 3A 2930 **COLLECTION**: 5 varieties marked (*), \$1
- 3A 1065 **Maximum, Mixed**. Pkt. 20 cts., 3 pkts. 50 cts., 1/4oz. \$1.

Majus or Tall (2 1/2 ft.)

For middle distance of annual border.

- 1079 **Velvet Giant**. Strong, base-branching plants bear long flowering spikes of huge florets. Color is a remarkable velvety crimson-red, ennobled with a bronze-orange glow. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
- 3A 1067 **Cherry Rose**. Plants tall, uniform, branching from base. Long, sturdy spikes have large, well-placed florets, that are a bright hue of intense cherry-pink.
- 3A 1073 **Reveille**. Deep, luminous yellow with upper lip toning to light lemon. May bear twenty 10-in. spikes of very big florets.
- 3A 1074 **Rosalie**. Topaz-rose with darker center and a golden flush over all.
- 3A 1066 ***Buttercup**. Canary-yellow.
- 3A 1068 ***Daintiness**. Deep pink.
- 3A 1070 ***Harmony**. Terra-cotta and rose.
- 3A 1071 ***Pinkie**. Clear pink.
- 3A 1076 ***Scarlet (Defiance)**. Scarlet-red.
- 3A 1077 ***Shasta**. Pure white.
- Each, pkt. 20 cts., 3 pkts. 50 cts., 6 pkts. 90 cts.
- 3A 2931 **COLLECTION**: 6 pkts., one each above marked (*) \$1
- 1081 **Majus, Mixed**. Pkt. 15 cts., 3 pkts. 40 cts., 1/8oz. 60 cts., 1/4oz. \$1.

FOR THE ROCK-GARDEN

Midget Antirrhinum

Height 6 in. (Not Rustproof)

- 3A 1139 **Hybrids**. Valuable for edgings and the rock-garden. Early, continuous. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

Antirrhinum Nanum

(Dwarf Plants; 1 1/2 ft.)

- 3A 1082 **Amber and Gold**. The color effect is terra-cotta; the tips of the pink-throated florets are golden; hoods amber.
- 3A 1084 **Carmine-Rose**. Carmine-rose; yellow lip.
- 3A 1085 **Du Barry**. A new color—flaming rose-salmon, shaded with gold, a self-hue, except for a yellow spot on the lower lip.
- 3A 1087 **Garnet**. Rich velvety crimson.
- 3A 1088 **Indian Girl**. Old-gold.
- 3A 1090 **Wildfire**. Orange-scarlet; yellow lip.
- Each, pkt. 20 cts., 3 pkts. 50 cts., 6 pkts. 90 cts.
- 3A 2932 **COLLECTION**: Pkt. each, above 6, \$1
- 3A 1092 **Nanum grandiflorum, Mixed**. Pkt. 15 cts., 1/8oz. 50 cts., 1/4oz. 85 cts.

AQUILEGIA • Columbine

Perennial. Graceful spurred flowers, often two-colored, on long stems; spring. 2 1/2 ft.

- 3A 1152 **Sawco Colossal**. Outstanding mixture. The enormous flowers measure about 5 1/2 inches across and are exceptionally long-spurred. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.25.

Long-spurred Columbines.

- 3A 1141 **Blue Shades**
- 3A 1144 **Scarlet Shades**
- 3A 1143 **Pink Shades**

Above 3, each, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10

- 3A 1146 **Mixed Shades**. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10, 1/8oz. \$1.50, 1/4oz. \$2.50.

- 1147 **Crimson Star**. Blood-red, center petals white. Pkt. 25 cts., 3 pkts. 60 cts.
- 1148 **Cœrulea**. Violet-blue and white. 2 ft. Pkt. 35 cts., 3 pkts. 90 cts.
- 1151 **Longissima**. Yellow; 2 1/2 ft. Spurs often 4 in. long. Pkt. 50 cts., 3 pkts. \$1.25.
- 1150 **Longissima Hybrids**. Broad petals and long spurs. Colors red, blue, white and rose. Pkt. 50 cts., 3 pkts. \$1.25.



Aquilegia, Long-spurred

Asters Resistant to Wilt

Annual. Asters should have an open, sunny position, and prefer a good, rich, loamy soil; do not grow them on the same ground two years in succession. Seeds may be started in a sunny window, hotbed or coldframe in March and transferred to the garden as soon as danger of frost has gone. May also be sown outside in May. Allow 1½ feet between plants.

All colors are now available in varieties that are highly wilt-resistant. They are not claimed to be entirely immune, however, although they are very robust and less likely to be affected than old-time sorts.

3A 1170 Aurora, Golden Sheaf. The deepest yellow Aster. The flowers are perfectly double; of the Princess type, with a full, crest-like center. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

3A 1171 Ball's White. Finest midseason white Aster. The flowers are 4 inches in diameter. Broad petals are slightly folded lengthwise. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

3A 1173 Blue Flame. Bright navy-blue. Large, Comet-like flowers, fully double. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

3A 1172 Heart of France. The plants grow about 2 feet high and bear their large, rich deep ruby-red flowers on long strong stems. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

QUEEN OF THE MARKET. Well-known; early; branching habit. 1½ ft.

3A 1177 Ballet Queen. Deep salmon-rose.

3A 1186 White **3A 1185 Scarlet**

3A 1178 Crimson **3A 1181 Flesh-Pink**

3A 1180 Dark Blue **3A 1183 Light Blue**

3A 1184 Rose

Any of above, each, pkt. 15 cts.,

3 pkts. 40 cts., 6 pkts. 75 cts.

3A 1189 Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

3A 2933 COLLECTION: Pkt. each, above 8 colors, \$1

EARLY ROYAL. (Branching Type). Early-flowering form. July.

3A 1197 White **3A 1192 Purple**

3A 1191 Lavender **3A 1195 Shell-Pink**

3A 1193 Rose-Pink **3A 1194 Scarlet**

Each color, pkt. 15 cts.,

3 pkts. 40 cts., 6 pkts. 75 cts.

3A 1200 Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

3A 2934 COLLECTION: Pkt. each, above 6 colors, 75 cts.



Asters, Late Branching



Asters, Giant Sunshine

IMPROVED CREGO, or OSTRICH-FEATHERED. (Comet Type.) Finest of the Comet Asters. Long-stemmed flowers are 5 inches across.

3A 1207 Orchid **3A 1208 Shell-Pink**

3A 1205 Deep Rose **3A 1202 Crimson**

3A 1204 Dark Blue **3A 1210 White**

3A 1201 Azure-Blue

Any of above, each, pkt. 15 cts.,

3 pkts. 40 cts., 6 pkts. 75 cts.

3A 1212 Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

3A 2935 COLLECTION: Pkt. each, above 7 colors, 90 cts.

PRINCESS. These are wonderful for cut-bloom. The handsome flowers have a bomb-shaped center, ringed with several tiers of ray-florets. 2 ft.

3A 1213 Princess Annie. Peach-blossom.

3A 1214 Princess Barbara. Orchid.

3A 1216 Princess Bonnie. Rose-salmon.

3A 1218 Princess Linda. Pure rose.

3A 1217 Princess Marsha. Cinnabar-red.

Any of above, each, pkt. 25 cts.,

3 pkts. 60 cts., 6 pkts. \$1.10

3A 1220 Mixed Princess. Splendid blend. Pkt. 25 cts., 3 pkts. 60 cts., ¼oz. \$1.

EARLY GIANT. The flowers are fully double, 4 to 5 inches across and are wonderful for room decoration. 2½ ft.

3A 1225 Peach Blossom. Lavender-pink.

3A 1221 Light Blue. Bright, light hue.

3A 1223 Rose Marie. Rose-color, bright.

Any of above, each, pkt. 25 cts.,

3 pkts. 60 cts., 6 pkts. \$1.10

3A 2936 COLLECTION: Pkt. each, above 3, 65 cts.

MIDSEASON GIANTS. Flowers often measure 6 inches in diameter and fully double.

3A 1226 Azure-Blue **3A 1232 White**

3A 1227 Lilac **3A 1229 Purple**

3A 1231 Shell-Pink **3A 1228 Rich Rose**

Each color, pkt. 25 cts., 3 pkts.

60 cts., 6 pkts. \$1.10, oz. \$2.50

3A 1235 Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

3A 2937 COLLECTION: Pkt. each, 6 colors, \$1.15

BEAUTY. This type comes into bloom in September and is at its best through October. The plants grow nearly 3 feet high and bear their very large, dense flowers on long stems.

3A 1240 Flesh-Pink **3A 1242 Purple**

3A 1239 Deep Rose **3A 1243 White**

3A 1236 Azure-Blue **3A 1237 Crimson**

Each color, pkt. 15 cts.,

3 pkts. 40 cts., 6 pkts. 75 cts.

3A 1246 Mixed. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

3A 2938 COLLECTION: Pkt. each, above 6 colors, 80 cts.

LATE BRANCHING. The flowers are of extraordinary size and stand erect on long, graceful stems, well above the foliage.

3A 1251 Pure White **3A 1250 Purple**

3A 1256 Shell-Pink **3A 1247 Crimson**

3A 1253 Rose-Pink **3A 1249 Lavender**

3A 1254 Sensation (red)

Each color, pkt. 15 cts.,

3 pkts. 40 cts., 6 pkts. 75 cts.

3A 1258 Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

3A 2939 COLLECTION: Pkt. each, above 7 colors, 90 cts.

SINGLE COMET. Very decorative. Large blooms measure 5 to 6 inches across. In a choice blend of colors.

3A 1259 Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Sunshine Aster

GIANT SUNSHINE. Not wilt-resistant. Individual blooms are enormous, 4 to 6 inches across, with cushiony center, of tubular florets and rims of pointed out-guard florets. 3 ft.

3A 1261 Mixed Colors. Pkt. 25 cts., 3 pkts. 60 cts., ¼oz. \$1, oz. \$3.

Hardy Perennial Asters

Michaelmas Daisy; Starwort

These are readily grown from seed sown in spring or early summer to bloom next year.

3A 1263 Alpinus (Rock Aster.) Large soft blue flowers. Good rock-garden plant. 9 in. May, June. Pkt. 25 cts., 3 pkts. 60 cts.

3A 1267 Alpinus Mixed. Blues, purples, violets and whites. Average height 1 ft. Pkt. 25 cts., 3 pkts. 60 cts.

Plants of Hardy Aster, in a wide variety, are described on page 65.



Aster alpinus

BALSAM • *Lady's Slipper*

Annual. Plants ordinarily have a main stem bearing brilliant double camellia-like flowers. Showy flower-bed subjects.

3A 1279 **Double Camellia-flowered, Mixed.** Self-colors, also spotted, blotched and striped. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Double Bush-flowering Balsams

The plants are basal-branching bushes; covered with double flowers.

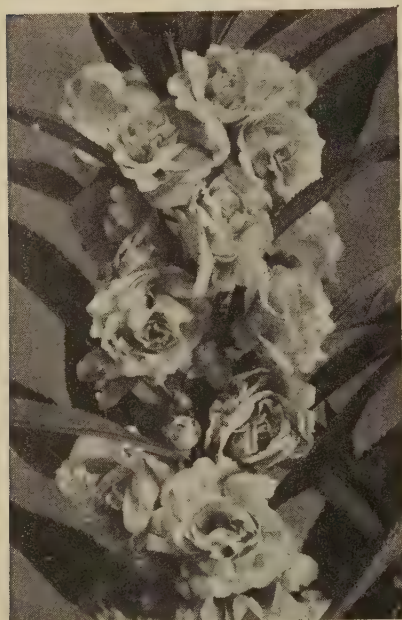
3A 1282 **White** 3A 1285 **Mixed**
3A 1281 **Scarlet** 3A 1280 **Rose**
Each, pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50

BELLIS (English Daisy). Familiar dwarf hardy perennial with bright double flowers. Excellent for edging spring flower-beds. Stands the winter if given protection. Sow in early summer to bloom the following year. Improved giant-flowering strain.

1315 **Pink** 1316 **White**
1318 **Mixed**
Each, pkt. 25 cts., 3 pkts. 60 cts.,
 $\frac{1}{2}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50

3A 1319 **Double Red Quilled.** Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{2}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

3A 1323 **BOCCONIA cordata** (Plume Poppy; Tree Celandine). Perennial. Foliage glaucous green. Bears spikes of cream-colored flowers 2 to 3 feet long. 5 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.



Balsam

1324 **BRACHYCOME** (Swan River Daisy; Annual Cineraria). Annual. $1\frac{1}{2}$ ft. Dwarf Australian plant, covered with flowers. Mixed, pkt. 10 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

BROWALLIA (Amethyst). Annual. Beautiful rich blue tubular flowers during summer and autumn. Blooms freely in winter if plants are lifted and cut back.

3A 1325 **Sapphire.** 10 in. Dark blue flowers; white eye. Pkt. 25 cts., 3 pkts. 60 cts.
1326 **Speciosa major.** 1 ft. Large; violet-blue. Pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75.

3A 1328 **CACTUS SEED.** Sow thinly, in porous soil, under glass or in the home; later, transplant into individual pots. Mixed varieties. Pkt. 35 cts., 3 pkts. 90 cts.

BEGONIAS

The following varieties of *Begonia semperflorens* and *B. gracilis* rank as bedding plants with geraniums and coleus, doing equally well in full sunlight, and surpassing both in shady positions. They grow about 1 foot high, and form dense bushes which, from May until frost, are hidden with flowers. As pot-plants they are a mass of bloom all year.

Semperflorens Type

3A 1291 **Coral Prize.** Deep coral-pink self-colored flowers.

3A 1295 **Indian Maid.** Deep blackish brown foliage and brilliant orangy scarlet flowers about 1 inch in diameter.

3A 1294 **Ile de France.** Symmetrical plants are smothered under pure white flowers.

3A 1292 **King of the Reds.** Glowing scarlet. The green leaves are edged bronze.

3A 1297 **Zahringer.** Flowers $1\frac{1}{2}$ to 2 inches across, rose-pink shading to white in center.

Each of the above, pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75

3A 1288 **Christmas Cheer.** Plants covered with 2-inch, cherry-red flowers.

3A 1289 **Christmas Pink.** The color is a beautiful shade of bright pink.

Above 2, each, pkt. 25 cts., 3 pkts. 60 cts.

Gracilis Type

3A 1300 **Adeline.** Bright pink, green foliage; dwarf.

3A 1301 **Carmen.** Dwarf; 15 inches. One-inch flowers, pink; foliage bronze.

3A 1303 **Luminosa.** Brilliant dark scarlet.

3A 1304 **Luminosa compacta.** Scarlet-red flowers in great profusion. 5 in.

3A 1306 **Prima Donna.** Light rose, shaded carmine.

3A 1307 **Pure White.** Green foliage; dwarf, compact plant. Very effective.

Above 6, each, pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75

Tuberous-rooted Begonias

Large-flowering

Grow indoors and out (during summer).

3A 1311 **Single, Mixed.**

3A 1312 **Double, Mixed.**

Each, pkt. \$1, 3 pkts. \$2.75

CALCEOLARIA (Slipperwort). Greenhouse or Bedding Plant. Pouch-like flowers.

3A 1329 **Giant Strain.** English. Enormous blooms; very fine. Mixed colors.

Multiflora Nana Type

3A 1330 **Cloth of Gold.** Large trusses of immense blooms; pure deep yellow.

3A 1331 **Indian Prince.** Orange-scarlet.

3A 1332 **Mixed.** Ideal for bedding; small flowers in great profusion. All combinations of yellows, orange and brown.

Above, each, pkt. 50 cts., 3 pkts. \$1.25

3A 1432 **CARDINAL CLIMBER** (Star Glory; *Ipomoea Quamoclit cardinalis*). Annual climber, to 30 feet. Fern-like foliage, cardinal-red flowers $1\frac{1}{2}$ inches across, in clusters. Sow seeds indoors in April, outdoors in May. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{2}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50, oz. \$3.50.

3A 1463 **CATANANCHE caerulea** (Cupid's Dart). Perennial, flowering first year. Daisy-like, everlasting blue flowers. 3 ft. Pkt. 25 cts., 3 pkts. 60 cts.

3A 1518 **CERASTIUM tomentosum** (Snow-in-Summer). Perennial. White; 9 in. Dwarf, creeping white-leaved edging plant. Small flowers. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.



Calendula, Campfire

CALENDULA • *Pot Marigold*

Annuals. Daisy-like flowers. Sow outdoors in spring, or earlier indoors and transplant. Grow under glass during winter. 2 ft.

3A 1341 **Yellow Colossal.** Largest in cultivation, with flowers $4\frac{1}{2}$ inches across, double and clear, very light, bright yellow. $1\frac{1}{2}$ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

3A 1337 **Double Art Shades.** Pastel hues of cream, apricot, yellow, tangerine, etc. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

3A 1335 **Campfire** (Sensation). Best forcing Calendula. Flat blooms, large, brilliant orange, with scarlet sheen. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

3A 1340 **Radio.** Globular flowers, quilled florets; deep yellow. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

3A 1336 **Chrysantha.** Large, double, but-tercup-yellow globe-shaped flowers, large, drooping chrysanthemum-like florets. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

3A 1339 **Orange Shaggy.** Florets overlap and flower looks like a chrysanthemum. Deep orange. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

3A 1338 **Orange Fantasy.** Orange blooms are $3\frac{3}{4}$ inches across; center mahogany-bronze. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Pacific Beauty Calendulas

Ultra-modern. Plants bigger over all, and half foot taller. Flowers larger, more resistant to summer heat; have longer florets, with colors clear, bright and new.

1349 **Persimmon Beauty.** Brilliant persimmon-orange.

1348 **Lemon Beauty.** Lemon-yellow.

1347 **Apricot Beauty.** True apricot.

1345 **Cream Beauty.** Light tint.

1346 **Mixed Beauty.** All hues available.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

Popular King Calendulas

3A 1352 **Gold King** 3A 1354 **Orange King**
3A 1353 **Lemon King**

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25

3A 2940 **COLLECTION:** Pkt. each, above 3, 35 cts.; $\frac{1}{4}$ oz. each of above 3, \$1

3A 1368 **Cut-Flower Mixture.** All colors and types. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

BALL'S STRAIN CALENDULAS

1361 **Orange Improved.**

1359 **Gold Improved.**

1360 **Masterpiece.**

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

CALLIOPSIS and COREOPSIS

Showy annuals and perennials. Long-stemmed flowers are mostly yellow and daisy-shaped, center tuft and ray-florets are wide, fluted, and frequently notched on margin.

ANNUAL CALLIOPSIS

- 3A 1372 **Gold Crest**. Rich golden yellow, chestnut-brown center. 1 ft.
 3A 1371 **Crimson King**. Crimson-garnet. 10 in.
 3A 1374 **Marmorata**. Yellow and red. 2 ft.
 3A 1376 **Tiger Star**. Rich reddish brown, striped golden yellow. 10 in.
 3A 1375 **Nigra speciosa**. Red-brown. 2 ft.
 3A 1373 **Golden Crown**. Mixture of gold and orange types; many double florets. Excellent for cut-bloom; fragrant. 1½–2 ft.
 Each, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.
 3A 2941 **COLLECTION**: Pkt. ea. 6 vars., 75 cts.
 3A 1380 **Alldouble Mixed**. Selection of tall doubles. 2 to 2½ ft. Pkt. 10 cts., ¼ oz. 30 cts., oz. \$1.

PERENNIAL COREOPSIS

- 3A 1577 **Grandiflora, Double Sunburst**. Brilliant golden yellow flowers, 80 per cent of them fully double and ¾ inches across. 2 ft. Pkt. 15 cts., 3 pkts. 40 cts., ¼ oz. 50 cts., oz. \$1.50.
 3A 1578 **Mayfield Giant**. Single. More vigorous; larger flowers on longer stems. More intense yellow. 3½ ft. Pkt. 15 cts., 3 pkts. 40 cts., ¼ oz. 50 cts., oz. \$1.50.

CANDYTUFT • Iberis

- Popular fragrant plant, with bright flowers in flat clusters, for bedding or border work. Sow outdoors in April and thin to 9 inches. Sow also in July for fall.
 3A 1418 **Giant Hyacinth-flowered**. Flowers large, white, borne in big trusses well above foliage. For cutting or border. 1¼ ft. Pkt. 15 cts., 3 pkts. 40 cts., ¼ oz. 60 cts., oz. \$2.
 3A 1419 **The Gem**. A miniature form. Trusses of large white flowers are pushed above the plant, which is only 4 inches high. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

Mammoth-flowered Candytuft

- Large-flowered dwarf type, for edging, bedding, and for the annual border. 10 in.
 3A 1420 **Carmine** 3A 1421 **Crimson**
 3A 1423 **Lavender** 3A 1425 **White**
 3A 1424 **Rose-Cardinal**
 3A 1422 **Flesh-Pink**

Each, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.
 3A 2942 **COLLECTION**: Pkt. each, above 6 colors, 75 cts.

3A 1428 **Mixed**. Pkt. 10 cts., ¼ oz. 25 cts., oz. 75 cts.

Perennial Candytuft

Very desirable plants for rock- and wall-gardens, having almost evergreen foliage which is completely covered with dense heads of flowers. Blooms in May and June.

- 3A 1429 **Gibraltarica**. White, shaded pink-purple. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.
 3A 1430 **Sempervirens**. Strong-growing with large heads of white flowers. 15 in. Pkt. 25 cts., 3 pkts. 60 cts., ¼ oz. \$1, oz. \$3.50.

CAMPANULA • Bellflower

Canterbury Bells *C. Medium*

Biennial. One-inch bells. Sow in summer; transplant 9 ins.; after frost, protect with leaves. Flower in June, then die.

SINGLE

- 1384 **White** 1382 **Light Blue**
 1381 **Dark Blue** 1383 **Rose**
 Each, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.
 1387 **Single Mixed**. All colors. Pkt. 15 cts., ¼ oz. 50 cts., oz. \$1.50.
 1388 **Double Canterbury Bells**. Mixed colors. Pkt. 15 cts., ¼ oz. 60 cts., oz. \$2.

Annual Canterbury Bells

Sown in gentle heat during February and March, and the seedlings planted out, the plants will bloom in September.

- 1392 **Choice Mixed**. All colors. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

Cup-&-Saucer Bells *C. calycanthema*

Biennial. Large, single flowers. Both calyx and corolla are colored.

- 1396 **White** 1394 **Light Blue**
 1393 **Dark Blue** 1395 **Rose**
 Each, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.
 1397 **Mixed**. Pkt. 15 cts., 3 pkts. 40 cts., ¼ oz. 60 cts., oz. \$2.

Perennial Campanulas

These are among our best border plants. Some will flower the first season from seed.

- 1401 **Carpatia**. Blue. Largely used for edging. Flowers all summer. 6 in.
 1402 **Carpatia alba**. White form. 6 in.
 Above two, each, pkt. 15 cts., 3 pkts. 40 cts.
 1404 **Garganica**. Rock-plant. Clear deep blue; white eye. Trailing. 4 in. July. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.25.
 1405 **Persicifolia grandiflora, Blue** (Peach Bells). A 3-ft. pyramid; large bells.
 1406 **Persicifolia grandiflora, White**.
 Above two, each, pkt. 25 cts., 3 pkts. 60 cts.

- 1407 **Persicifolia grandiflora, Telham Beauty**. Large flowers of china-blue; in the bells a beautiful silvery shading. 4 ft. Pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75.
 1410 **Wedgwood**. Improved *C. persicifolia* with larger flowers of deeper violet-blue. 4 ft. Pkt. 50 cts., 3 pkts. \$1.25.
 1411 **Pyramidalis** (Chimney Bellflower). Erect pyramid; beautiful blue flowers. 4 ft.
 1412 **Pyramidalis, White**.

- Above 2, each, pkts. 20 cts., 3 pkts. 50 cts.
 1414 **Rotundifolia**. Harebell or "Bluebells of Scotland." Light blue flowers; stands shade. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25.



Castor-Bean (*Ricinus*)



Carnation, Enfant de Nice

CARNATIONS

Annual Varieties

- ENFANT DE NICE**. Upright; flowers 2½ to 3 inches in diameter. Colors about 75% true from seed, and plants about 90% double.
 3A 1433 **Red** 3A 1436 **Striped**
 3A 1434 **Rose** 3A 1437 **White**
 3A 1435 **Salmon** 3A 1440 **Mixed**

Each, pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75

GIANT DOUBLE KING. Sow outdoors in spring, or earlier indoors. Plant seedlings 6 inches apart. Flowers full, sweetly perfumed. Allow one flower to a stem.

- 3A 1441 **Maroon King**
 3A 1444 **Rose King**
 3A 1443 **Red King**
 3A 1442 **Pink King**
 3A 1445 **White King**
 3A 1446 **Yellow King**

Each, pkt. 25 cts., 3 pkts. 60 cts., ¼ oz. \$1.50

3A 2943 **COLLECTION**: Pkt. each, above 6 colors, \$1.15

1449 **Mixed**. All colors. Pkt. 20 cts., 3 pkts. 50 cts., ¼ oz. 85 cts., ¼ oz. \$1.50.

Perennial Varieties

- Dwarf Grenadin**. Early, double, large flowers. Sow early to bloom first year. 14 in.
 3A 1454 **Yellow** 3A 1452 **Scarlet**
 3A 1451 **Rose Queen** 3A 1457 **Mixed**
 3A 1453 **White**
 3A 1450 **King of the Blacks**

Each, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10

CASTOR-BEAN (*Ricinus*; *Palma Christi*). Annual. Tall, tender plants. Oil is expressed from the curious seeds. 3A 1458 **Mixed**. Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts.

CHEIRANTHUS. Hardy, blooms first year. 3A 1545 **Allioni** (Siberian Wallflower). For the rock-garden or border. Orange flowers in May and June. Sow indoors in March and plant out in May; or in the open in September, to flower next spring. 1½ ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

1546 **Allioni, Golden Bedder**. Deep yellow flowers larger than the type. 1½ ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

CHELONE (Turtlehead). Perennial. Long panicles bearing small two-lipped tubular flowers are good for cutting. 3 ft.
 3A 1549 **Barbata**. Coral-red. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

CELOSIA PLUMOSA

Feathered Cockscomb

For beds or groups. Flowers are plume-like; dry them for winter bouquets. 2 ft.

3A 1465 **Crimson** 3A 1467 **Mixed**
3A 1466 **Yellow**

Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

3A 1471 **Fiery Feather.** Red and pink.
3A 1470 **Golden Feather.** Yellow.

Each, pkt. 25 cts., 3 pkts. 60 cts., 1/4oz. \$1.50

3A 1473 **Thompsoni magnifica, Improved Strain, Mixed.** Pyramidal; feathery plumes; magnificent shades. 2 1/2 ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., oz. \$2.50.

1472 **Pride of Castle Gould.** Pyramidal plants; immense feathered heads of blood-red, wine-red, scarlet, carmine, salmon, orange and gold. 2 to 3 ft. Pkt. 25 cts., 3 pkts. 60 cts., 1/4oz. \$1.50.

CELOSIA CRISTATA

Cockscomb

Brilliant annuals with flowers in tight clusters. Sow indoors early or outdoors in May. 1 ft.

3A 1478 **Empress.** Rich crimson.

3A 1479 **Glasgow Prize.** Dark crimson.

Each, pkt. 15 cts., 3 pkts. 40 cts., 1/4oz. 85 cts.

3A 1483 **Dwarf, Mixed.** Pkt. 10 cts., 3 pkts. 25 cts., 1/4oz. 50 cts., oz. \$1.50.

3A 1487 **Royal Velvet.** Produces a large-centered crimson flower, surrounded by smaller clusters on basal branches. 2 ft. Pkt. 15 cts., 3 pkts. 40 cts., 1/4oz. 85 cts.

Loveliest of all Cockscombs *Gilbertia Strain* (3 ft.)

3A 1484 **Gilbert's Maple Gold.** Each maple-pink head is tipped brilliant gold.

3A 1485 **Gilbert's Green Gold.**

3A 1486 **Gilbert's Rose Beauty.**

Ea., pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10

CELOSIA Childsi (Chinese Woolflower). Large silky flower-heads. 3A 1464 **Mixed.** Pkt. 10 cts., 3 pkts. 25 cts., 1/4oz. 50 cts., oz. \$1.50.

CLARKIA. Annuals, with showy flowers in leafy spikes. Useful greenhouse plant also, and good for cut-flower purposes. 1 1/2 ft.

The following are double:

1560 **Salmon Queen.** Charming hue of salmon-rose. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., oz. \$1.50.

1565 **Mixed.** Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., oz. \$1.25.

1566 **CLEOME, Pink Queen** (Spider Flower). Annual. Excellent for the middle distance of a mixed border or to line a driveway. Light, airy flowers of pleasing salmon-pink changing to white as they mature. Stamens look like spiders' legs. 3 to 4 ft. Pkt. 20 cts., 3 pkts. 50 cts., 1/4oz. \$1. 1566G **Golden.** A new yellow-blooming type. 3 to 4 ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

COBÆA (Cup-and-Saucer Vine). Annual Climber. A rapid grower, attaining a height of 30 to 50 feet during the season. Will cling to a trellis, arbor, tree-trunk, or almost any rough surface. Start the seed indoors in March or outdoors in May.

3A 1569 **Scandens.** Large bell-shaped purple flowers. Pkt. 20 cts., 1/4oz. 60 cts., oz. \$2.

CENTAUREA

Cornflower; Sweet Sultan

Annuals and Perennials

Annuals are popular; they grow almost anywhere; excellent cut-flowers. The perennial types are good cut-flowers also, while the Dusty Millers are valuable for edging.

CENTAUREA Cyanus (Cornflower; Blue Bottle; Bachelor's Button; Bluet; Ragged Sailor). Annual. Sown outdoors in April, and at intervals later for a succession of bloom. Let stand 8 inches apart. 3 ft.

3A 1490 **Blue Boy.**

3A 1489 **Black Boy.** Maroon.

3A 1491 **Pinkie.** Rose.

3A 1492 **Red Boy.** Deep red.

3A 1493 **Snow Man.** White.

3A 1497 **Mixed.**

Each, pkt. 15 cts., 1/4oz. 35 cts., oz. \$1.25

3A 2944 **COLLECTION:** Pkt. each, 5 colors, 60 cts.

3A 1494 **Jubilee Gem.** Double flowers of brightest blue cover the plant. Suitable both for outdoors and greenhouse culture. 1 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

3A 1495 **Polar Gem.** Snow-white. Valuable to the florist. A beauty. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., oz. \$2.



Centaurea imperialis

1506

CENTAUREA imperialis, Mixed (Giant Sweet Sultan). Annual. Valuable for cutting. Sweet-scented fluffy flowers; white, pink, purple, lilac and red. Sow for succession from May to July. 2 1/2 ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., oz. \$1.50.

3A 1508 **Americana** (Basket Flower). Annual. Deep lavender blooms up to 4 inches in diameter. Striking for the annual border, and excellent for cutting. 4 ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., oz. \$1.50.

3A 1511 **Montana** (Perennial Cornflower). Hardy Perennial. Violet flowers. 2 ft. July-Sept. Pkt. 15 cts., 1/4oz. 30 cts., oz. \$1.

Dusty Millers (*Centaurea*)

1513 **Gymnocarpa.** Perennial treated as an annual. Foliage plants for edging. White-green, fern-like leaves contrast strikingly with other plants. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., oz. \$1.50.

CHRYSANTHEMUMS

Showy, daisy-like flowers with a colored ring at the base of the florets and a purple center. Good for cut-flowers. Average height 2 ft. July-Oct.

3A 1520 **Atrosanguineum.** Bright crimson
3A 1521 **Burridgeanum** (Beaconsfield).

White, zone of brownish red and yellow.

3A 1522 **Chameleon.** The colors vary, but generally are brown and yellow.

3A 1523 **Eastern Star.** Yellow; dark disc.

3A 1524 **Eclipse.** Beautiful golden bronze.

3A 1525 **Eldorado.** Large, single, deep yellow flowers with a ring of reddish brown.

3A 1526 **Luteum.** Charming pale yellow.

3A 1527 **Northern Star.** Flowers 3 inches in diameter; white, with a yellow zone and dark brown center.

Each, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., oz. \$1.50

2946 **COLLECTION:** Pkt. each, above 8 colors, \$1

3A 1528 **Golden Crown.** Deep yellow, fully double flowers. 3 1/2 ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., oz. \$1.50.

Mixed Annual Chrysanthemums

3A 1533 **Single** 3A 1534 **Double**

Each, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., oz. \$1.50

Perennial Chrysanthemums

1537 **Korean, Mixed.** 2 ft. Sown in early spring, will be a blaze of color by September. The flowers are single, many are large, and all are brilliant. They include all hues. Mixture only. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.25.

White Shasta Daisies

3A 1538 **Alaska.** Popular variety with flowers frequently 5 inches across; white, with broad, overlapping petals. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., oz. \$1.50.

3A 1539 **Dwarf Avalanche.** A low-growing white Daisy for the front of the hardy border. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10, oz. \$3.50.

3A 1540 **Giant Double.** Doubles, semi-doubles, and singles; some with laciniated, curled, and quilled white florets. Pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75.

CINERARIA *Greenhouse Annual*

Brilliant colors in daisy-shape blooms. Sow May-September. Transfer direct from seed-pans to thumb-pots; place in coldframe. As pots become full of roots, shift to larger ones until flowering size is reached.

3A 1553 **Siter's Rainbow Strain.** Small foliage and immense flower-heads; individual blooms are medium large, and most have a white eye. Pkt. \$2, 3 pkts. \$5.50.

3A 1554 **Cremer's Prize Strain.** Flowers large and color-range exceptionally fine. Florets are wide, and they overlap well. Smaller leaves than those of the old type. Resistant to wilt. Pkt. \$1.50, 3 pkts. \$4.

3A 1550 **California Super-Giants, Mixed.** Prize Cinerarias, grown by a specialist. Numerous individual flowers, exceeding 5 inches in diameter, with florets 1 to 1 1/2 inches wide. Pkt. 75 cts., 3 pkts. \$2.

3A 1552 **Stellata Mixed.** Cactus-flowered. Delicate, star-like quilled blooms on tall stems. Pkt. 50 cts., 3 pkts. \$1.25.

3A 1551 **Multiflora nana, Potsdam, Mixed.** Extra-choice, dwarf strain. Plants completely covered with brightly colored flowers. Pkt. 50 cts., 3 pkts. \$1.25.



Cosmos, Crested

Charming Cosmos

Annual. Cosmos is of great value for cut-bloom. Sow about May 1, out-doors, covering the seed $\frac{1}{4}$ inch, and thin out or transplant to not less than $1\frac{1}{2}$ feet apart. Sow under glass in April for earlier bloom.

Sensation Type

A new, early, large Cosmos. Flowers are 4 to 5 inches across, with wide, fluted florets. Flowers in 10 weeks from seed. 4 ft.

1593 **Pinkie**. Pink. 1594 **Purity**. White. 1592 **Crimson Sensation**.

Each, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

2949 **COLLECTION**: Pkt. each, 3 colors 40 cts.

1595 **Dazzler**. Giant flowers 4 or more inches across; they appear early, when the plants are but 30 inches high, but continue as an ultimate 5 to 6 feet is attained. Rich deep amaranth-crimson. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

3A 1596 **Sensation, Single, Mixed**. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

DOUBLE SENSATION. Surprisingly quick to bloom. The flowers are $4\frac{1}{2}$ inches across. 3A 1601 **Pink Lady**. Two double forms occur in this: one fluted and medium pink; the other crested, somewhat lighter.

3A 1602 **White Cloud**. Velvety white.

Above 2, each, pkt. 50 cts., 3 pkts. \$1.25

1603 **Sensation, Double, Mixed**. Pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75.

Early Dwarf Crested Cosmos

Flowers unusually large, blooming as quickly as the Early Singles. See illustration.

1581 **Pink Beauty** 1580 **Crimson Beauty** 1582 **White Beauty**

Each, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10

1585 **Mixed Beauty**. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{4}$ oz. 75 cts.

3A 2947 **COLLECTION**: Pkt. each, 3 colors, 65 cts.

Early Express Type

A modern, quick-growing strain that reaches a height of about $2\frac{1}{2}$ feet and bears fine large flowers on long stems within 45 days.

1586 **Crimson** 1587 **Pink** 1588 **White** 1591 **Mixed**

Each, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

3A 2948 **COLLECTION**: Pkt. each, above 3 colors, with Early Orange Flare, 50 cts.

3A1607 Radiance • New!

All-America Silver Medal Winner for 1948. A 5-foot variety, rugged, strong, bearing a wealth of huge blooms that are rose-pink with a wide inner zone of deep crimson and a cushion of yellow stamens in the center.

A two-color Cosmos is a novelty, but the deep crimson hue is indeed unusual. Small wonder it proved a top winner in the nationwide seed tests. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

Late Single Tall Cosmos

This type of Cosmos, which has mammoth flowers, blooms late in the summer. 5 ft.

1609 **Lady Lenox**. Deep rosy pink.

1610 **Lady Lenox, White**. Pure white.

1608 **Crimson**. 1613 **Mixed**.

Each, pkt. 10 cts., 3 pkts. 25 cts., 6 pkts. 40 cts.

3A 2950 **COLLECTION**: Pkt. each, 3 colors, 25 cts.

Orange, Yellow and Golden Types

3A 1614 **Early Orange Flare**. Orange flowers with light green foliage. The stems are long and wiry, adapted for cutting. 3 ft.

3A 1617 **Yellow Klondyke**. Lighter in color and a fitting companion to Early Orange Flare. The butter-yellow of the flowers and their exceptionally long stems, make them highly valuable. Blooms are $1\frac{1}{4}$ inches across. 3 ft.

3A 1615 **Orange Ruffles**. Large, golden, semi-double blooms have extra rows of florets. Earlier than, and not quite so tall as Orange Flare. $2\frac{1}{2}$ ft.

Above 3, each, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

COLEUS. *Conservatory or bedding foliage plant*. Leaves are striking in color, and highly decorative; flowers are insignificant and are usually pinched off. Most effective.

3A 1571 **Copper Giant**. Coppery rose shades.

3A 1573 **Rainbow Hybrids**. A splendid mixture. Plants are all hues.

Each, pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75

CYCLAMEN

Greenhouse Plant

Giant type developed by European specialists. Seed is sown in autumn, the young plants carried through winter in a cool greenhouse, repotted in May and kept during summer in a shaded frame. Brought into the greenhouse or conservatory in October they flower in winter, 15 months after sowing.

1635 **Mixed Colors**. Pkt. (10 seeds) 75 cts., 50 seeds \$3, 100 seeds \$5.

CUPHEA (Cigar Plant). *Treat as an Annual*. Pretty half-hardy subject for beds, baskets and window-boxes. Plants are covered with small tubular flowers, which appear twelve weeks after seeding.

1627 **Dwarf Hybrids**. Various shades of rose, pink, scarlet and near purple. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{4}$ oz. \$1.

CYNOGLOSSUM (Chinese Forget-me-not; Hound's Tongue). *Annual*. Perfumed plant; myosotis-like flowers.

1636 **Firmament**. Large; indigo-blue. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

Stately Delphiniums

Hardy Larkspur

Often 6 feet, these striking perennials produce magnificent flower-spikes in July and August; cut them down after blooming for a second growth in fall. Many treat as an annual, sowing under glass in midwinter.

1645 **GOLD MEDAL HYBRIDS, Mixed**.

Immense spikes; best colors. Pkt. 35 cts., 3 pkts. 90 cts., $\frac{1}{4}$ oz. \$1.75, oz. \$6.

Giant Pacific Hybrids

These New Hybrids are much larger and finer than the best varieties produced hitherto. All the florets are 2 inches or more across, and they are excellent for show purposes.

All the following are mildew-resistant

3A 1646 **Black Knight Series**. Dark blues.

3A 1649 **Cameliard Series**. Lavender selfs.

3A 1651 **Galahad Series**. White.

3A 1647 **Blue Bird Series**. Clear mid-blue with white bee.

*3A 1648 **Blue Jay**. Blue, gray overtone; dark bee.

*3A 1652 **Guinevere Series**. Pink-lavender; white bee.

*3A 1653 **King Arthur**. Royal violet; white bee.

*3A 1654 **Summer Skies**. Light blue; white bee.

Each, pkt. \$1, 3 pkts. \$2.75, 6 pkts. \$5

3A 2951 **COLLECTION**: Pkt. each, varieties marked * \$3.50

1655 **Round Table Series**. Noble mixture. Pkt. \$1, 3 pkts. \$2.75, 6 pkts. \$5.

1660 **Mixed**. All hues; standard kinds. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.25.

Some Other Fine Varieties

1664 **New Hollyhock Strain**. A fine mixture of all light shades, pale clear blue predominating. Large flowers; double. 6 ft. Pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75.

1661 **Belladonna**. Clear turquoise-blue flowers. Everblooming. 5 ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

1663 **Cliveden Beauty** (Improved Belladonna). Bright blue. Larger flowers and a stronger plant. 5 ft. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

1662 **Bellamosum**. Blue; 5 ft. Similar to the above except color is a darker blue. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

1665 **Cardinale**. Beautiful cardinal-red. $2\frac{1}{2}$ ft. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

1668 **Chinense, Blue Butterfly**. Fine feathery foliage, and many spikes of large blossoms of intense gentian-blue. $1\frac{1}{2}$ ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

1667 **Chinense, Cambridge Blue**. Clear, rich light blue. Fine for cut-bloom. $2\frac{1}{2}$ ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

1666 **Chinense album**. White form. 3 ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

CYPRESS VINE (*Ipomaea Quamoclit*). *Annual Climber*. One of the most popular of annual climbing plants with very delicate fern-like foliage, and masses of beautiful, small, star-shaped flowers. It is advisable to soak seed in water for a few hours before sowing in order to hasten the germination. Frequently attains a height of 15 feet; sow outdoors in May.

1637 **Mixed**. Pkt. 20 cts., 3 pkts. 50 cts., 6 pkts. 90 cts.

DAHLIAS FROM SEED

Tender Perennial; treat as an Annual. Ideal for cutting; they make striking flower-beds. Sow in March indoors and plant out, or sow outdoors in May. Bloom in four months.

Dwarf Kinds (1½ to 3 ft.)

- 1643 **Miniature Types, Mixed.** Of outstanding merit; fine colors. Choice. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.25.
 1642 **Dwarf Bedding, Mixed.** Charming colors; double and semi-double. Pkt. 35 cts., 3 pkts. 90 cts., ¼ oz. \$1.25.
 1639 **Coltness Hybrids, Mixed.** Single flowers. Pkt. 25 cts., 3 pkts. 60 cts.

Tall Dahlias

Expect interesting results; occasionally a hybrid of value will turn up. To be certain of definite shapes and colors it is necessary to plant roots; offered on pages 52 and 53.

- 1638 **Cactus, Mixed.** Saved from a choice collection. Pkt. \$1, 3 pkts. \$2.75.
 1640 **Double Exhibition, Mixed.** From show sorts. Pkt. 50 cts., 3 pkts. \$1.25.
 1641 **Giant Exhibition Mixed.** Largest and best varieties. Pkt. \$2, 3 pkts. \$5.50.

DIMORPHOTHECA

Cape Marigold; African Daisy

Bright annuals, with daisy-like flowers, which do especially well in full sun.

- 1727 **Aurantiaca Hybrids, Mixed.** Flowers large, varying from white through yellow and orange to salmon; many zoned with several of these colors around the black disc. Pkt. 10 cts., 3 pkts. 25 cts.
 1726 **Aurantiaca.** Bright golden orange flowers. Pkt. 15 cts., 3 pkts. 40 cts.

- 1644 **DATURA cornucopia** (Trumpet Flower). Annual. Fragrant flowers, 8 inches long; pure white inside, purple outside. 4½ ft. Pkt. 15 cts., 3 pkts. 40 cts.

- 1712 **DICTAMNUS Fraxinella rubra** (Dittany; Burning-Bush; Gas-Plant). Perennial. Pinkish red flowers fine for cutting. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

- 1714 **DIDISCUS cœrulea** (Queen Anne's Lace). Annual. Upright; about 2 feet high. Each branch ends in an umbrella-shaped head of sky-blue flowers. Sow in May. Pkt. 15 cts., 3 pkts. 40 cts.

- DIGITALIS** (Foxglove). Perennial. Long racemes of tubular flowers. Plant amid shrubbery, along the edges of woods, etc. Grows well in partial shade; June, July.
 1721 **Giant Shirley, Mixed.** Huge spikes; from pure white to dark rose. 6 ft. Pkt. 15 cts., 3 pkts. 40 cts., ¼ oz. 60 cts.

- Gloxiniæflora Type.** Handsome, spotted gloxinia-like flowers. 4 ft.

- 1719 **Rose.** 1718 **Purple.**
 1716 **White.** 1717 **Yellow.**

1720 Gloxiniæflora, Mixed.

Above 5, each, pkt. 15 cts., 3 pkts. 40 cts.

- DOLICHOS** (Hyacinth Bean; Lablab). Annual. Rapid-growing climber. Sow outdoors. Blooms July to fall.

- 1732 **Mixed.** Pkt. 10 cts., 3 pkts. 25 cts., oz. 50 cts., ¼ lb. \$1.50.

- 1734 **DORONICUM caucasicum** (Leopard's Bane). Perennial. Yellow, daisy-like flowers sometimes 3 inches across. 2 ft. Pkt. 35 cts., 3 pkts. 90 cts.

- 1736 **DRACÆNA indivisa** (Cordylone). Graceful, lance-leaved plants for greenhouse; bedding. Pkt. 15 cts., 3 pkts. 40 cts.

Jewel-Like Dianthus • Pinks

Sow annuals in spring, hardy kinds in spring or summer. Annuals bloom in a few weeks, most hardy sorts flower same year.

Double Annual Pinks

- 1677 **Chinensis** (China Pink). Double flowers; mixed colors.
 1678 **Fireball.** Extra double; dark scarlet.
 1679 **Heddewigi fl.-pl.** (Double Oriental Pink). From richest crimson to rose.
 1680 **Laciniatus fl.-pl.** (Fringed Pink). Various colors; edges fringed. Large.
 1681 **Snowball.** Large double white. 1 ft.
 Above 5, each, pkt. 15 cts., 3 pkts. 40 cts.

Single Annual Pinks

- 1687 **Westwood Beauty.** Colors from fiery crimson to a deep velvety red. 1 ft.
 1688 **Heddensis, Finest Mixed.** Most brilliant annual Pink. 1 ft.
 1689 **Laciniatus, Gaiety.** A mixture. Wide range of colors. Large, fringed.
 Above 3, each, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

Hardy Garden Pinks

- 1700 **New Blue.** Lavender-blue, in a bright, pleasing shade. The flowers are small, but are in 9-inch trusses from July to September. Pkt. 50 cts., 3 pkts. \$1.25.
 1693 **Allwoodi.** Combines the Carnation with the delicious clove scent of the Pink. Single Mixed. Pkt. 25 cts., 3 pkts. 60 cts.
 1694 **Allwoodi Alpinus.** Ideal for the rock-garden, blooming continuously; beautiful mixture. Fragrant. 5 in. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.25.
 1695 **Double Scotius.** New florists' variety. Mixed pink, rose, salmon, white. Pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75.
 1699 **Loveliness.** Two-inch, perfumed, mauve, laced flowers. Blooms in seven months. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
 1701 **Rainbow Loveliness.** Delicate tones including pink, red, lilac, cream and white. Pkt. 75 cts., 3 pkts. \$2.
 1707 **White Loveliness.** Charming white form. Pkt. \$1.25, 3 pkts. \$3.50.
 1697 **Highland Hybrids, Mixed.** Ideal for rock-gardens. Practically perpetual flowering and the colors are very varied. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
 1704 **Sweet Wivelsfield.** If sown indoors in February, blooms same year. Fringed single sweet-william-like flowers. July to frost. Mixed. Pkt. 10 cts., 3 pkts. 25 cts., 6 pkts. 40 cts.
 1705 **Double Sweet Wivelsfield.** Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
 1696 **Deltoides, Brilliant** (Maiden Pink; Spink). Rich rose-pink. For rock-garden. 6 in. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
 1698 **Knappi** (Yellow Dianthus). Yellow blossoms in bunches; not fragrant. 20 in. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.25.
 1703 **Plumarius Double Mixed.** (Grass Pink). Fringed, fragrant flowers of white, crimson, or purple shades, spotted and variegated. 1 ft. Pkt. 20 cts., 3 pkts. 50 cts., 6 pkts. 90 cts.
 1702 **Plumarius Single Mixed.** Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.
 1706 **Rock-Garden Rare Dwarf Species.** Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.



Eschscholtzia

ESCHSCHOLTZIA California Poppy

Easily grown annuals. Sow where intended to flower, in full sun, and thin to 1 foot apart.

- 3A 1751 **Golden Glory.** Double orange flowers, lightening to gold. 1 ft.
 3A 1754 **Ramona Hybrids, Ruffled.** 1 ft.
 *3A 1748 **Carmine King.** Carmine-rose. 1 ft.
 *3A 1749 **Fireflame.** Vivid orange-scarlet.
 *3A 1750 **Geisha.** Golden orange inside, orange-scarlet outside. 15 in.
 *3A 1752 **Golden West.** Bright yellow, dark orange at the base of the petals.
 *3A 1756 **White.** Unusual variety.
 Above, each, pkt. 15 cts., 3 pkts. 40 cts.
 3A 1762 **Choice Mixture.**
 Pkt. 15 cts., 3 pkts. 40 cts., ¼ oz. 60 cts., oz. \$2

3A 2952 **COLLECTION:** Pkt. each of varieties marked (*), with the Tulip Poppy (Hunnemannia) described on page 40 (6 varieties in all), 75c.

- 3A 1740 **ECHINOPS Ritro** (Globe Thistle). Perennial. Silvery, thistle-like foliage and blue flowers in round heads. 4 ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.
 3A 1744 **ERIGERON speciosus** (Midsummer Daisy; Fleabane). Perennial. Valuable border plant. Sky-blue. 2½ ft. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
 3A 1746 **ERINUS alpinus.** Dainty rock-garden plants, for crevices of stone walls, etc., and blooming in early spring. Pale purple. 6 in. Pkt. 50 cts., 3 pkts. \$1.25.
 3A 1742 **EDELWEISS** (Leontopodium alpinum; Gnapbalium). Perennial. Everlasting. Tufted creeping rock plant with white woolly foliage. Sow early, keep moist. 6 to 12 in. Pkt. 25 cts., 3 pkts. 60 cts.
EUPHORBIA (Spurge; Wolf's Milk). Curious plants with milky sap in the stem and leaves. Showy for border planting.
 3A 1763 **Variegata** (Snow-on-the-Mountain). Annual. Foliage marked white. 2 ft. Pkt. 10 cts., 3 pkts. 25 cts.,
 3A 1764 **Heterophylla** (Annual Poinsettia). Annual. Bush-like plants, with smooth, glossy orange-scarlet leaves. 2½ ft. Pkt. 15 cts., 3 pkts. 40 cts.

Lovely Larkspurs

Giant Imperial Strain

1930. *Blue Spire. Double Oxford-blue.
 1931. *Carmine King. Deep carmine.
 1932. *Exquisite Pink. Ideal pink.
 1933. Gloria. Deep rose; no trace of carmine
 1934. Lilac King. Clear rich lilac.
 1935. Pink King. Lively salmon-rose.
 1936. *Sweet Lavender. Rich lavender.
 1937. *White King. Finest white.
 1940. Mixed.

Each, pkt. 15 cts., 3 pkts. 40 cts.,
 6 pkts. 75 cts., oz. \$2

2956. COLLECTION: 5 varieties
 marked *, 60 cts.

Plant a Bed of MARIGOLDS

Here is an assortment
 that will give you a splen-
 did show—gold, orange and
 red—which will be a riot of
 color from July to frost. It
 comprises the three varie-
 ties shown—Golden Bed-
 der and Red Head (dwarf),
 Orange Sunset (tall).

2988. COLLECTION: 3
 pkts., one each, 40 cts.

2989. COLLECTION:
 1/4oz. each, \$1.75



2037. MARIGOLD, Golden Bedder. Bronze Medal. 15 in.
 Pkt. 15 cts., 3 pkts. 40 cts., 1/4oz. 75 cts., oz. \$2.50



These Larkspurs
 look almost like Del-
 phiniums, they are
 so large. Easily grown
 annuals with spurred
 flowers. Sow in the
 open in April to pro-
 duce flowers by July.



2086. MARIGOLD, Red Head.
 Bronze Medal. 1 ft. Pkt. 15 cts.,
 3 pkts. 40 cts., 1/4oz. 50 cts., oz. \$1.50



2032. MARIGOLD, Orange Sunset. 3 ft.
 Pkt. 15 cts., 3 pkts. 40 cts., 1/4oz. 60 cts., oz. \$2

RED, WHITE and BLUE MORNING-GLORIES

OFTEN 4 INCHES IN DIAMETER

Excellent for covering walls,
 trellises, arbors, fences or stumps of
 trees. Select a sunny situation and
 sow in the open when the weather
 has become warm. Thin to 6 inches
 between plants.

1914. Scarlett O'Hara. Illus-
 trated. Carnelian-red.
 1913. Pearly Gates. Glistening
 white.

Above 2, pkt. 25 cts., 1/2oz. 75c.,
 oz. \$1.25, 1/4lb. \$4

1912. Heavenly Blue. Illustrated.
 Pkt. 20 cts., 1/2oz. 60 cts., oz. \$1,
 1/4lb. \$3.50.

2955. COLLECTION: 3 pkts.,
 one each above, 50 cts.



SCARLETT O'HARA



HEAVENLY
 BLUE

ANNUALS for a Brilliant Garden

SCABIOSA • Mourning Bride; Pincushion Flower

Left. About 2½ feet high, they bloom from July until frost. For cutting they are very popular, and equally so for borders or beds. Sow in the open in spring.

2506. ***Shasta**. Pure white; blooms 3 to 4 inches in diameter.

2504. ***Rosette**. Beautiful deep rose suffused with salmon.

2498. ***Blue Moon**. Large, double flowers are cone-shaped and a rich deep lavender-blue.

2503. ***Rich Red**.

2499. ***Black Knight**. Purplish black.

2507. ***Yellow**.

2501. **Orchid Shades, Mixed**. Blooms are large and on long stems; colors include mother-of-pearl pink, light pink, dark pink, mauve, crushed strawberry, and others.

Above, each, pkt. 15 cts., 3 pkts.

40 cts., 6 pkts. 75 cts., oz. \$2

2965. **COLLECTION**: Pkt. each 6 sorts above marked (*), 85 cts.

DOUBLE PORTULACA

Sun-Plant

Ground-hugging 6-inch plants with narrow, fleshy leaves and 1-inch flowers which open in fine weather. Brightly colored. Of easy culture in an unshaded situation. Fine for beds, edgings, on rockwork or broadcast over sunny banks. Large, double flowers.

2406. **White**. 2404. **Pink**.

2407. **Yellow**. 2405. **Scarlet**.

Each, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10

2983. **COLLECTION**: 4 pkts., one each, 75 cts.

2410. **Double Mixed**. Pkt. 20 cts., 3 pkts. 50 cts., ½ oz. 60 cts., ¼ oz. \$1.



PORTULACA

CUTHBERTSON SWEET PEAS *Early; highly fragrant*

Sow as soon as the ground is frost-free. Dig a trench about a foot wide and deep, work under humus, rotted manure and General Garden Fertilizer. Tread firmly. Make a single groove about ¼ inch deep; sow seeds every 2 inches, and cover. When the plants are 3 to 4 inches, thin to 6 inches apart. Supports 4 feet or more high should be provided.

The Sweet Pea is a moisture-loving plant, and by May the plants will require water. Side-dress with Mulch-o-Nure, old manure, Sawco-nure or peat-moss to keep the roots cool.

Sweet Peas thrive in northern latitudes and in New England. The Cuthbertson group is more suited than others to the New York area. Many of the following have won high honors from the Scottish Sweet Pea Society.

2636. **Coline**. Scarlet. 2640. **Frank G.** Rosy lavender.

2637. **Danny**. Navy-blue. 2642. **Hazel**. Light blue.

2639. **Evelyn**. Salmon-cream-pink. 2649. **Tommy**. Clear medium blue.

2643. **Janet**. Splendid white variety; seeds black.

2645. **Kenneth**. Glowing oxblood-crimson.

2646. **Lois**. Rose-pink on a white ground.

2648. **Marion**. Beautiful cream; seeds are black.

Above, each, pkt. 15 cts., oz. 50 cts., ¼ lb. \$1.50

2969. **COLLECTION**: 10 pkts., one each, \$1.25

2651. **Brilliant**

Mixed. Excit-

ing well-bal-

anced blend.

Pkt. 10 cts., oz.

35 cts., ¼ lb.

\$1.25.

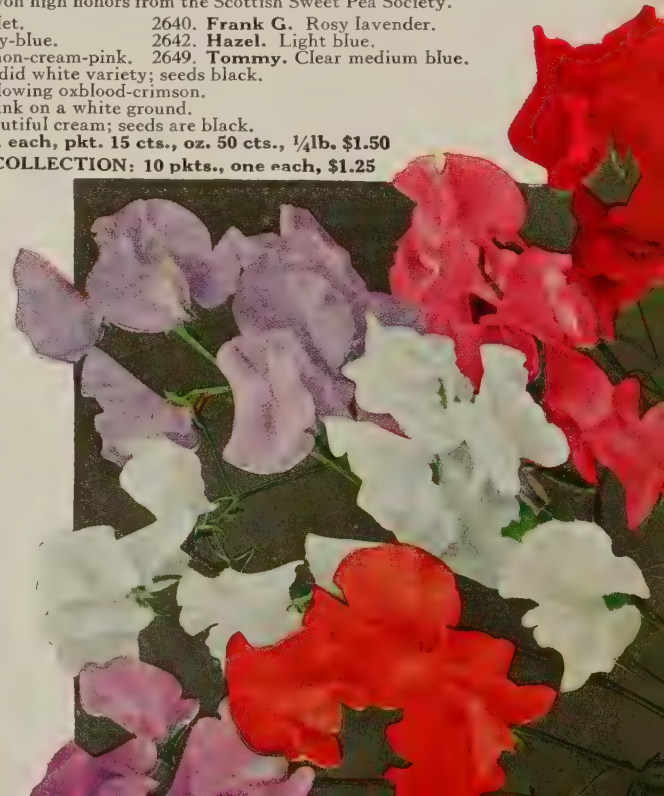
SALPIGLOSSIS

Painted Tongue

Annual. Funnel-shaped blooms have veinings through the groundwork. Sow in open in spring, or earlier indoors, and transplant.

2467. **Finest Tall Mixed**. Orchid-like Superbissima hybrids. A mixture of choice color combinations—brown and gold, blue and gold; purple, scarlet and rose with gold; crimson, primrose, violet, etc. 3 ft. Pkt. 10 cts., 3 pkts. 25 cts., ¼ oz. 50 cts., oz. \$1.50.

2468. **Dwarf Giant-flowering, Mixed**. 1½ ft. Pkt. 15 cts., 3 pkts. 40 cts., ¼ oz. 75 cts., oz. \$2.50.





Gaillardia,
The Dazzler

GAILLARDIA • Blanket Flower

Flowers are brilliant and daisy-like, borne freely from July to November. Excellent for cut-bloom, also garden decoration.

Annual Varieties (2 ft.)

- 3A 1773 **Aurea**. Rich yellow.
3A 1774 **Indian Chief**. Bronze.
3A 1775 **Picta Lorenziana**, Double, Mixed.
Above 3, pkt. 15 cts., 3 pkts. 40 cts.,
6 pkts. 75 cts.

Perennial Varieties

Sown early, they bloom the first year.

- 1778 **Burgundy**. Brilliant coppery scarlet self.
1780 **Goblin**. Yellow; deep red zone. 15 in.
1779 **Giant Hybrids**, Mixed. Immense flowers.
Above 3, pkt. 25 cts., 3 pkts. 60 cts.,
6 pkts. \$1.10
1781 **Portola Hybrids**. Enormous flowers and the color-range is fairly wide, centering around reddish bronze and gold. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.
1782 **Tangerine**. Shades of tangerine-orange. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
1783 **The Dazzler**. Flowers very large, rich dark red, with a bright orange tip on each floret. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

- 3A 1765 **FELICIA Bergeriana** (Kingfisher Daisy; Blue Marguerite). Annual. Leaves are grass-like, and the blue daisy flowers, with yellow centers, are ¾ inch in diameter. Grown outdoors in summer or under glass at other times of the year. 6 in. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
3A 1767 **FERN SPORES**, Greenhouse Sorts. Sow in sand and peat. Keep shaded and moist, with a glass partly covering the flat. Pot off when large enough. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.25.
3A 1769 **FOUR O'CLOCK**, Fine Mixed (Marvel of Peru). Annual. Red, yellow, or white flowers open in cloudy weather or after noon. 2 ft. Pkt. 10 cts., 3 pkts. 25 cts., 6 pkts. 40 cts., oz. 50 cts., ¼ lb. \$1.75.
3A 1771 **FUCHSIA**, Mixed Greenhouse and Summer Bedding Plant. Sow indoors January to March, and plant out in May. Striking mixture. Pkt. \$1, 3 pkts. \$2.75, 6 pkts. \$5.

GYPSOPHILA • Baby's-Breath

Annuals and Perennials. Misty white flower panicles largely used in bouquets.

- 1832 **Elegans grandiflora alba**. Annual. Large-flowering, pure white form. 1½ ft. Pkt. 10 cts., 3 pkts. 25 cts., oz. 50 cts., ¼ lb. \$1.75.
1833 **Elegans grandiflora rosea**. Annual. Pink form. 1½ ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., oz. \$1.25.
1834 **Muralis**. Annual. Pink; 10 in. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
1837 **Paniculata**. White. Hardy perennial that blooms first year if sown early. 3½ ft. Pkt. 10 cts., 3 pkts. 25 cts., 6 pkts. 40 cts.
1838 **Paniculata fl.-pl.** Perennial. Double. 3 ft. White. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
1839 **Pacifica**. Perennial. Large pink flowers. Blooms later than Paniculata. 4 ft. Pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75.
1840 **Repens**. Perennial. White. 6 in. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.
1841 **Repens rosea**. Pink. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

- 1789 **GERANIUM (Pelargonium)**, Zonale. Greenhouse and Bedding Plant. Reds, crimsons, pinks, and whites. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

- 3A 1791 **GERBERA, Jamesoni Hybrids** (Transvaal Daisy). Greenhouse Perennial. Will stand outdoors if mulched over winter. Pastel shades of red, cerise, salmon, orange, yellow, white. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

- GEUM (Avens)**. Perennial. For cutting.
3A 1793 **Lady Stratheden**. Large; double; rich golden yellow. 1½ ft. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
3A 1794 **Mrs. Bradshaw**. Large; double; brilliant orange-scarlet. 1½ ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

- GLOBE AMARANTH (Gomphrena)**. Annual. Everlasting. Good bedding plant. Brightly colored flowers resemble clover-heads and can be dried for winter. 1½ ft.
1805 **Mixed Colors**. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

- 1806 **GLOXINIA, Large-flowered**. Greenhouse Plant. Tubular-trumpet flowers are velvety, sometimes spotted and banded, and of various colors—pink, scarlet, red, crimson, violet, purple and white; mostly with white throats. Bloom in about a year. Pkt. 50 cts., 3 pkts. \$1.25; 6 pkts. \$2.25.

- CODETIA**. Annual. Showy flowers in leafy racemes; splendid for bedding; and potting.
1809 **Kelveden Glory**. Salmon-orange. 1½ ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

- 1810 **Sybil Sherwood**. Salmon-pink. For cutting. 1½ ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

- 1808 **Azalea-flowered** (Carminea). Double pink flowers, marked darker. 30 in. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

- 1813 **Tall Double, Mixed**. Average height 2 ft. Pkt. 10 cts., 3 pkts. 25 cts., 6 pkts. 40 cts.

- GOURDS**. Annual Climbers. For arbors, trellises, fencing. Fruits strangely shaped, quaintly marked and colored; inedible.

- 1831 **Mixed**. All sorts. Pkt. 15 cts., 3 pkts. 40 cts., oz. 60 cts.

- HELIANTHEMUM (Dwarf Sun Rose)**. Perennial. For the rock-garden. 1 ft.
3A 1846 **Mutabile Mixed**. Colors include yellow, red, white and pink. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

HELIANTHUS • Sunflower

Annuals, majestic and striking. Daisy-like blooms, the single types mostly with a large brown center disc. Sow in the sun.

- 1851 **Sungold**. Improved Double Sunflower. 5-foot plants, surmounted by golden flowers, cushion-like and 4 to 5 inches across. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

- 3A 1849 **Cut-and-Come-Again, Mixed**. A mixture of tall, large-flowering types. 5 ft. Pkt. 10 cts., 3 pkts. 25 cts., 6 pkts. 40 cts.

- 3A 1850 **Gigantic Russian**. Large old-time Sunflowers. 9 ft. Oz. 10 cts., ¼ lb. 20 cts., lb. 60 cts.

- 3A 1852 **Tall Red, Gaillardia-flowered**. Mixture producing red or yellow-and-red single, flowers, some semi-double. 6 ft. Pkt. 10 cts., 3 pkts. 25 cts., 6 pkts. 40 cts.

- HELENIUM (Sneezewort)**. Perennial. Blooms very freely in late summer.

- 3A 1844 **Riverton Gem**. Wallflower-red. 2 ft. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

- HELICHRYSUM (Straw Flower)**. Annual. Everlasting. Bright-colored chaffy double blooms make a fine display. Allow 1½ feet between plants. 2½ ft. high. 1865 **Mixed**. Pkt. 15 cts., 3 pkts. 40 cts., ¼ oz. 60 cts.

- 3A 1866 **HELIOPSIS scabra zinniaeflora** (Hardy Zinnia). Perennial. Orange-yellow sunflower-like flowers, June to Sept. 3 ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

- FRAGRANT HELIOTROPE**. Perfumed Greenhouse or Bedding Plant. Splendid outdoors or as a greenhouse climber. Seed started indoors in spring will bloom in summer. Sow outdoors in May. About 2 ft.
3A 1868 **Lemoine's Giant, Mixed**. Flower-heads double the size of the old sorts. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10, ¼ oz. \$1.50.

- HESPERIS (Sweet Rocket; Dame's Violet)**. Perennial. Large clumps 2 to 3 feet high; showy flower-spikes. Splendid for cutting.
3A 1870 **Matronalis, Red**.

- 3A 1871 **Matronalis, White**.
Above 2, pkt. 10 cts., 3 pkts. 25 cts.,
6 pkts. 40 cts.

- HEUCHERA (Alum Root; Coral Bell)**. Perennial. Bushy plants of easy culture, 1½ to 2 feet high; graceful spikes of tiny flowers. For the border or rock-garden. July, Aug.
3A 1873 **Sanguinea**. Coral-red. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

- 3A 1875 **HIBISCUS, Giant-flowering Mixed** (Marshmallow). Perennial. For beds or borders. Bloom first year. Six-inch trumpet flowers have dark centers. 5 ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

- 3A 1898 **HONESTY** (Moonwort; Satinpod). Biennial. Everlasting. Purple flowers followed by round silvery parchment-like seed-pouches, used for house ornament. Sow in May and protect over winter. 2 ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.



Gourds

HOLLYHOCK

Perennial. Popular hardy garden plants. Their beautiful colors and fine appearance render them indispensable for the herbaceous border. 6 to 9 ft.

- 3A 1896 **Indian Summer.** Bronze Medal, All-America Seed Trials for 1949. Beautiful double strain with very large flowers. Colors are more varied than kinds offered hitherto, bright and scintillating. Sown in April or earlier, the plants will bloom the same season and every year thereafter. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
- 1881 **Double Orange Prince.** Large, brilliant apricot-orange hue. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
- 1880 **Double Exquisite.** Large blooms are beautifully frilled or deeply dentate, and their colors are charming. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
- 1882 **Haile Selassie.** The large semi-double flowers are so deep a maroon that they seem to be black, accented by the yellow stamens. Pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75.

Chater's Superb Double

- 1886 **Newport Pink** 1885 **Deep Rose**
1888 **Salmon-Rose** 1887 **Pure White**
1890 **Sulphur-Yellow** 1889 **Scarlet**
- Each, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

- 1893 **Double Mixed.** Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., 1/2 oz. \$1, oz. \$3.50.
- 1894 **S. & W. Co.'s Superb Single.** Mixed. Pkt. 10 cts., 3 pkts. 25 cts., 6 pkts. 40 cts.
- 3A 1895 **Annual Hollyhock, Indian Spring.** Flower-spikes twenty weeks after sowing. Semi-double and double fringed flowers in several shades of pink. 5 ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

HUMULUS (Ornamental Hop). *Annual Climber.* Grows 20 to 30 feet in four months. One of the best plants for covering verandas, trellises, etc.

3A 1900 **Japonicus.** Pkt. 10 cts., 1/2 oz. 50 cts., oz. \$1.50.

HUNNEMANNIA (Tulip Poppy; Santa Barbara Poppy). *Annual.*

3A 1901 **Sunlite.** A band of colored sepals surround the bud. Canary-yellow. 2 ft. Sow in the open May 1 or earlier under glass in pots, transplant after last frost. Sun suits it. Pkt. 15 cts., 3 pkts. 40 cts., 1/2 oz. 60 cts.

IMPATIENS (Touch-Me-Not; Snapweed). *Greenhouse and Bedding Plant.* Profuse and continuous bloomer; semi-succulent. Sensitive to frost. Average height 1 1/2 ft.

3A 1907 **Sultani.** Brilliant carmine, 1 1/2-inch flowers.

3A 1908 **Sultani Hybrids.** Brilliant colors—carmine, pink, near white.

3A 1904 **Holsti.** Dazzling scarlet blooms.

3A 1905 **Holsti Hybrids, Mixed.** Orange, scarlet, red, pink, and white flowers. 1 1/4 to 1 1/2 inches across.

Above 4, each, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10

3A 1910 **INCARVILLEA Delavayi.** *Perennial.* Striking plant with large leaves. Flowers are bright rose, tube-shaped, and look like gloxinias. June to Aug. 2 1/2 ft. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

3A 1962 **LAVATERA splendens rosea** (Mallow). *Annual.* Beautiful plant, covered with large, cup-shaped, pink flowers. 2 ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

IPOMOEA

Convolvulus; Morning-Glory

Annuals, mostly climbers. Excellent for covering walls, trellises, arbors, or stumps of trees. Sow in the open in a sunny situation when the weather has warmed.

3A 1914 **Scarlett O'Hara.** Flowers 3 1/2 inches across. Open from sunrise well past noon—hence *Morning-Glory*.

1913 **Pearly Gates.** A true giant, with 4-inch blooms. Climbs 12 feet.

Above 2, pkt. 25 cts., 1/2 oz. 75 cts., oz. \$1.25, 1/4 lb. \$4

1912 **Heavenly Blue.** Flowers 4 inches across. Improved, early strain. Pkt. 20 cts., 1/2 oz. 60 cts., oz. \$1, 1/4 lb. \$3.50.

2955 **COLLECTION; pkt. each above 3, 50 cts.**

3A 1911 **BLUE STAR.** All-America Honorable Mention, 1949. A distinct clear sky-blue with five deeper blue midribs forming an attractive star. Flowers average 4 inches in diameter, and remain open well into the afternoon on cloudy days. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

1918 **Mixed Imperial** (Emperor Morning-Glory). Flowers large; color varied. Pkt. 10 cts., 3 pkts. 25 cts., oz. 60 cts.

1917 **Rose Marie.** Rose-pink, mostly double. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

3A 1916 **Mexicana alba** (Moonflower). At night and during dull days the plants are covered with large, white, fragrant flowers. Pkt. 10 cts., 3 pkts. 25 cts., oz. 50 cts.

3A 1928 **KOCHIA Childsi** (Summer Cypress; Mexican Firebush). *Annual.* 2 1/2 ft. Pyramidal bush with feathery, light green foliage, changing to crimson in September. Pkt. 10 cts., 3 pkts. 25 cts., 6 pkts. 40 cts.

3A 1954 **LANTANA, Mixed.** *Greenhouse and Summer Bedding Plant.* Flowers borne in verbena-like heads of orange, white, rose, etc. Colors change as the flower ages. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

LATHYRUS (Everlasting or Hardy Sweet Pea). *Perennial Climber.* Climbs over rocks and fences. Splendid cut-flower. 6 to 8 ft.

3A 1958 **White** 3A 1957 **Red**

3A 1956 **Pink** 3A 1960 **Mixed**

Each, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

1964 **LAVENDER, Munstead Strain.** *Perennial.* Fragrant. 1 ft. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

3A 1969 **LIATRIS pycnostachya** (Blazing Star; Gayfeather; Snakeroot). *Perennial.* Purple flowers on long spikes. 3 to 4 ft. July-Sept. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.



Kochia Childsi

LARKSPUR

Annuals. Sow in April for flowers by July. Sow Sept.-Nov. Also for handsome beds, and effective among shrubs.

New Supreme Larkspurs

These are marvelous cut-flowers. Vigorous, 5-ft. plants produce heavy spikes of closely packed, double florets, the petals of which are large and spreading. Colors are striking.

3A 1943 **Dark Blue Supreme.** Violet-purple.

3A 1944 **Lilac Supreme.** Pleasing hue.

3A 1945 **Pink Supreme.** Clear rose-pink.

3A 1946 **White Supreme.** Pure white.

3A 1947 **Supreme Mixture.** Many colors. Above, each, pkt. 20 cts., 3 pkts. 50 cts., 1/2 oz. 75 cts.

Giant Imperial Sorts

Plants of giant proportions with the habit of the delphinium. Height up to 5 ft.

*3A 1930 **Blue Spire.** Double Oxford-blue.

*3A 1938 **Deep Carmine King Improved.** Deep carmine. Ten days earlier than most.

*3A 1932 **Exquisite Pink Improved.** The shade of pink meets the florists' needs.

3A 1933 **Gloria Improved.** A rich tone of deep rose, with no trace of carmine.

3A 1934 **Lilac King.** Clear lilac—rich shade that is welcomed by every gardener. 4 ft.

3A 1935 **Pink King.** Salmon-rose. 5 1/2 ft.

*3A 1936 **Sweet Lavender.** Lavender-blue.

*3A 1937 **White King.** The finest white.

3A 1940 **Mixed Giant Imperial Larkspurs.** Each, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., oz. \$2

2956 **COLLECTION: 5 pkts. marked (*) 60 cts.**

3A 1942 **Rainbow Mixture.** A special assortment of brilliant colors. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

LILIES FROM SEED

Most will produce flowers the second year from seed; treat them as other perennials.

3A 1972 **Candidum.** Salonika variety. Pkt. 75 cts., 3 pkts. \$2.

3A 1973 **Longiflorum, White Queen** (Easter Lily).

3A 1974 **Philippinense formosanum.** (Hardy Easter Lily.) Fragrant, pure white blooms in 8 months.

3A 1976 **Tenuifolium** (Coral Lily). Brilliant coral-red.

Above 3, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10

1975 **Regale** (The Royal Lily). Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

3A 1982 **LINARIA, Fairy Bouquet** (Toad-flax). *Annual.* Splendid mixture. The compact plants bear large flowers in rose, yellow, pink, lavender, carmine, red, violet, white, and salmon. For bedding or pots. Pkt. 15 cts., 3 pkts. 40 cts.

3A 1981 **Cymbalaria** (Kenilworth Ivy; Mother of Thousands; Creeping Sailor). *Perennial Climber.* Lavender and purple. Charming trailer, for pots or rockeries. 3 ft. Pkt. 15 cts., 3 pkts. 40 cts.

3A 1986 **LINUM grandiflorum rubrum.** *Annual.* 1 ft. Showy bedding plants having brilliant scarlet flowers. Pkt. 10 cts., 3 pkts. 25 cts., 6 pkts. 40 cts.

1987 **Perenne** (Flax). *Perennial.* Bright blue. 1 1/2 ft. Pkt. 15 cts., 3 pkts. 40 cts.

1984 **Flavum** (Golden Flax). *Perennial.* Yellow. Dwarf, compact type, especially valuable for the rock-garden. 6 in. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

LOBELIA

Sow in spring, and thin or plant 5 inches apart. Annuals for edging or bedding.

Annual Varieties

- 1990 **Cambridge Blue**. A light, bright blue type. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
- 1992 **Crystal Palace Compacta**. Deep blue. Dark foliage. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.
- 1993 **Emperor William**. Compact; sky-blue flowers. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.
- 1994 **Mrs. Clibran Improved**. Large, deep blue, white-eyed flowers. Compact. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
- 1995 **Pendula, Sapphire**. Deep blue; white eye. Trailing; for window-boxes. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

Perennial Variety

- 3A 1991 **Cardinalis** (Cardinal Flower). Scarlet blooms; green foliage. Needs a moist, shaded place. 3 ft. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

LUPINUS • Lupine

For beds, cut-flowers or greenhouse growing. Annuals may be sown outside in May; thin to 1 foot.

- ANNUAL LUPINES**. Plants branch at the base, forming a handsome candelabra, with six to eight huge spikes to a plant. 3 ft.
- 2000 **King Blue**. Rich dark blue, with a white stripe in the standard of each flower.
- 2001 **King Heliotrope**. A beautiful tint.
- 2002 **King Light Blue**. Sky-blue.
- 2003 **King White**. Big, pure white.
- Each, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.
- 2007 **King Mixed**. The above colors sky-blue and mid-blue. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., 1/4 oz. \$1.

PERENNIAL POLYPHYLLUS LUPINES. Special Imported Strain. Sow in summer to bloom June to September the following year. Partly shaded, rich soil, free from lime, is advised. A 5-foot robust strain in which are many new colors.

- 3A 2009 **Blue Shades**
- 3A 2010 **Golden Spire**. Rich yellow.
- 3A 2011 **Pink Shades**
- 3A 2012 **Red Shades**
- 3A 2013 **White** 3A 2015 **Mixed Hybrids**.
- Each, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10
- 3A 2016 **Russell Lupines**. Reselected Strain. Colors that are novel; the size of the florets and the length of the spike are sensational. Vary in height from 1 1/4 to 5 feet. Pkt. 25 cts., 3 pkts. 60 cts., 1/4 oz. \$1, oz. \$3.50.

LYCHNIS (Catchfly; Campion). Perennial. Easily grown plants for massing in beds or borders, blooming first year from seed.

- 2021 **Viscaria splendens**. Bright rose-pink; foliage green well into winter. 1 1/2 ft.
- 2020 **Haageana**. Striking orange-scarlet blooms. 1 1/2 ft.
- 2019 **Chalcedonica** (Maltese Cross). Scarlet. 2 ft.

Above 3, each, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

- 3A 2097 **MATHIOLA bicornis** (Evening-scented Stock). Annual. Flowers dull purplish lilac; intensely fragrant. 1 ft. Pkt. 10 cts., 3 pkts. 25 cts., 6 pkts. 40 cts.

MATRICARIA. Half-hardy Perennial, treated as an Annual.

- 3A 2099 **S. & W. Co.'s Double White** (Feverfew). For cutting or bedding. 15 in. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.



Lupinus polyphyllus

MIGNONETTE • Reseda

Annual. Well-known, sweet-scented flowers. At home everywhere, either in the greenhouse, garden, or sitting-room.

- 2106 **Red Monarch**. The deepest red. Thick flower spikes. Very sweet-scented. For outdoors and under glass. Pkt. 15 cts., 3 pkts. 40 cts., 1/4 oz. 50 cts.
- 2107 **S. & W. Co.'s Triumph**. Recommended for winter forcing. Spikes are very compact and large. 15 in. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
- 2104 **Allen's Defiance**. Large-flowering and deliciously fragrant. When grown under favorable conditions its spikes will be 12 inches long. 1 ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.
- 2105 **Machet**. Dwarf variety, with broad spikes of very fragrant red flowers. One of the best for garden or pot-culture. 10 in. Pkt. 10 cts., 3 pkts. 25 cts., 6 pkts. 40 cts.



Mignonette, Red Monarch

- 2101 **MESEMBRYANTHEMUM crystallinum** (Ice Plant). Annual. Trailing; pink flowers and glistening foliage. 8 in. Pkt. 10 cts., 3 pkts. 25 cts., 6 pkts. 40 cts.
- 2102 **Criniflorum, Mixed**. Annual. Attractive colors. Spreading plant. 3 in. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
- 2112 **MIMOSA pudica** (Sensitive Plant). Greenhouse and Bedding Plant. 2 ft. Leaves close when touched. Lavender flowers. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

MYOSOTIS • Forget-me-not

Perennial. Needs slight cover over winter. Sow spring or summer. Alpestris sorts bloom in April; Palustris, May to fall.

Alpestris (sylvatica) Varieties

- 2118 **Royal Blue**. Rich dark indigo-blue. 12 in. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., 1/4 oz. \$1.
- 2116 **Oblongata, Blue Bird**. True blue. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
- 2120 **Victoria, Blue**. 8 in. Clear indigo-blue. Bushy.
- 2122 **Victoria Rose**.

Each, pkt. 25 cts., 3 pkts. 60 cts., 1/4 oz. \$1

Palustris Varieties

- 2119 **Semperflorens** (Everblooming Forget-me-not). Large, clear blue flowers. 1 1/2 ft. Pkt. 15 cts., 3 pkts. 40 cts., 1/4 oz. 85 cts.
- 2117 **Ruth Fischer**. Blue blooms 1/2 inch diameter. For pots and bedding. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.25.



Nicotiana affinis

NICOTIANA (Scented Tobacco). Easily grown annuals with broad leaves and spikes of fragrant trumpet-flowers.

- 2157 **Affinis**. Fragrant white flowers, 3 inches across. 2 to 3 ft. Pkt. 10 cts., 3 pkts. 25 cts., 1/4 oz. 50 cts., oz. \$1.25.
- 2158 **Affinis Hybrids, Mixed**. A fine assortment of colors. 2 to 3 ft. Pkt. 15 cts., 3 pkts. 40 cts., 1/4 oz. 50 cts.
- 2159 **Crimson Bedder**. Compact. 20 in. Pkt. 15 cts., 3 pkts. 40 cts., 1/4 oz. 50 cts., 1/4 oz. 75 cts.
- 2160 **Miniature White**. Small-flowered; delightfully scented. For beds or pots. 1 1/4 ft. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
- 2151 **NEMESIA**. Annual. Tubular flowers with broad, flattened lips. Brilliant bedding plants. **Mixture**. 12 in. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.
- 2153 **NEMOPHILA, Blue** (Baby Blue-Eyes). Annual. Bright sky-blue. 6 in. Pkt. 10 cts., 3 pkts. 25 cts., 6 pkts. 40 cts.
- 2155 **NEPETA Mussini** (Ground Ivy). Perennial. Creeper with clusters of blue flowers open in May and June. 1 1/2 ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.
- 2163 **NIEREMBERGIA, Purple Robe** (Cup-flower). Perennial; treated as an Annual. Sow in early spring indoors, and transplant in May. Mat-like edging plant; deep violet-blue flowers, 1 1/4 inches across. 6 in. Pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75.



Marigold, Crown of Gold



Marigold, Butterball

AFRICAN MARIGOLDS

Very easy to grow. Push groups of three seeds just under the surface at intervals of 1 foot or more, after frost has gone in spring; thin to one plant from each group. Or sow indoors in March; plant out in May.

Tall Double. 2½ ft.

Husky plants, quick to grow and smothered with mammoth tightly double blooms.

3A 2025 Alldouble Lemon

3A 2026 Alldouble Orange

Each, pkt. 15 cts., 3 pkts. 40 cts., ¼oz. 75 cts. 2029 Mixed Alldouble. Pkt. 10 cts., 3 pkts. 25 cts., ¼oz. 60 cts., oz. \$2.

Collarette. 2½ ft.

Centers of the 2½-inch blooms are short, quilled florets, surrounded by flat ones. Foliage practically odorless.

3A 2030 Crown of Gold. Bright golden orange. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., oz. \$1.50.

Gigantea. 3 ft.

A remarkable new, sweet-scented, robust-growing, extremely large-flowered type.

●2032 Orange Sunset. Deep tint. Pkt.

15 cts., 3 pkts. 40 cts., ¼oz. 60 cts., oz. \$2.

2033 Sunset Giants. Rich mixture. Pkt.

15 cts., 3 pkts. 40 cts., ¼oz. 50 cts., oz. \$1.50.

Dwarf Gigantea. 15 in.

3A 2036 Pot O'Gold. Fragrant. Large, loosely formed flowers of deep orange-gold 4 inches in diameter, ball-like and double. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

●2037 Golden Bedder. Golden orange flowers have an outer row of guard florets surrounding a fully double crest. Quick-blooming. Pkt. 15 cts., 3 pkts. 40 cts., ¼oz. 75 cts., oz. \$2.50.

Peony-flowered. 2½ ft.

Immense bomb-shaped blooms.

3A 2040 Golden Supreme. Glowing gold.

3A 2041 Orange Supreme. Intense orange.

Each, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

Dwarf Double. 12-15 in.

Good for edging a border or a bed containing other Marigolds.

2044 Little Giants, Mixed. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

Chrysanthemum-flowered. 2-3 ft.

Florets are curved like a chrysanthemum.

3A 2049 Mammoth Mum. Growing 3 feet, bears on long stems the largest flowers yet seen—4 inches across. Lemon-yellow.

High award in annual tests for 1944 of the All-America Seed Selections. Pkt. 25 cts., 3 pkts. 60 cts., ¼oz. \$1.

3A 2046 Early Sunshine. Bright yellow.

3A 2047 Golden Glow. Golden yellow.

Odorless.

3A 2048 Limelight. Light primrose-yellow.

Each, except where noted, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

Mission Giant Type

3A 2053 Goldsmith. Bushes are literally covered with large flowers, round, double and saffron-gold, 4 inches across, quilled and incurved. Starts to bloom early. 4 ft.

3A 2054 Yellowstone. Flowers are 3 inches in diameter, incurved, quilled, and highly attractive. Clear golden yellow. 4 ft.

Each, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

Carnation-flowered. 1-2½ ft.

The florets are wide and waved.

2056 Yellow Supreme. Lemon-yellow.

2½ ft.

2057 Guinea Gold. Orange. 2½ ft.

Each, pkt. 20 cts., ¼oz. 50 cts., oz. \$1.50.

2058 Dwarf Guinea Gold. Smaller plant.

1 ft. Pkt. 20 cts., 3 pkts. 50 cts., 6 pkts. 90 cts.

Collection of Marigolds

For a splendid gold, orange, and red flower-bed.

Three varieties marked ●ORANGE SUNSET, GOLDEN BEDDER, RED HEAD.

2988 3 pkts., one of each, 40 cts.

2989 ¼oz. each \$1.75.

2990 One ounce each, \$5.

FRENCH MARIGOLDS

Scabious-flowered

Flowers have a pincushion-like, cone-shaped center, surrounded by a few flattened petals. Splendid for cut-flower purposes, and very decorative in the garden.

3A 2068 Sunkist. Neat, low-growing plant starts to bear double orange-colored blooms early, and is a blaze of flowers until frost.

Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

3A 2062 Butterball. Flowers 1½ in. across, canary-yellow, so bright that they seem to glow with their own light. Butterball is a yellow counterpart of Sunkist (above). 9 in. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

3A 2063 Dwarf Harmony. Orange crest with maroon-brown collar of broad florets. 1 ft. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

3A 2064 Harmony Hybrids. Double blooms average 1¾ inches across and colors include orange and yellow selfs and combinations of maroon blotchings and stripings. 12 to 14 in. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

3A 2066 Scarlet Glow. Bushy, foot-high sort, with fiery red flowers 2 inches across. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

2067 Spry. Only 9 inches high. Covered with double flowers, each having a crested center of light yellow, surrounded by flat outer florets of maroon. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Dwarf Doubles

3A 2077 Royal Scot Alldouble. Rich mahogany and gold in uniform stripes. 1 ft.

3A 2078 Yellow Pygmy. Blooms less than an inch across, light lemon-yellow. 9 in.

Each, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

2074 Lemon Ball. Lemon-yellow. 1 ft.

2075 Mahogany. Mahogany-brown. 1 ft.

Each, pkt. 10 cts., 3 pkts. 25 cts., 6 pkts. 40 cts.

2079 Mixed. Contains all colors. Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25.

Dwarf Singles

●2086 Red Head. Bronze Medal, All-America Seed Trials for 1948. The flower opens mahogany-red, when the variety is the reddest of all Marigolds. As the flower ages, it gradually changes to bronzy gold. Blooms are 2 inches across, while the bushy plants are 12 to 15 inches tall, uniform and a handsome bronze-green. Splendid edging or bedding subject. Pkt. 15 cts., 3 pkts. 40 cts., ¼oz. 50 cts., oz. \$1.50.

2085 Naughty Marietta. Hon. Mention, All-America Seed Trials for 1947. Mound-like plants covered with 2½-inch, bright gold flowers. Each floret is blotched and striped with red. Plants are 1 foot high. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

3A 2083 Flash. Most blooms have a tangerine base, overlaid rich red, but others range from vivid red through bronze to yellow. Flowers 1¾ inches across. 18 in. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

3A 2084 Legion of Honor (Little Brownie). Golden yellow, crimson blotch. 9 in. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

Winter-flowering Marigolds

3A 2061 Sawco Strain. For indoor growing. Outer florets are beautiful mahogany, with a large pin-cushion center of golden yellow, suffused mahogany. Pinch plants when they are 8 inches high. 2½ ft. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.25.

NASTURTIIUMS

For ease of culture, duration of bloom, brilliancy of coloring, and general excellence, Nasturtiums are unexcelled. All they need is a sunny position.

Dwarf or Globe Types Sweet-scented

Double, fragrant flowers; compact plants, without runners. For borders, edging, pots.

- 3A 2126 **Mahogany Globe**
3A 2128 **Ruby Globe**
3A 2125 **Golden Globe**
3A 2129 **Scarlet Globe**
3A 2127 **Orange Globe**
3A 2130 **Dwarf Globe Mixture**
Each, pkt. 15 cts., oz. 40 cts., ¼lb. \$1.25, lb. \$4
3A 2958 **COLLECTION**: Pkt. each, 5 colors, 60c.

Semi-Dwarf or Gleam Types Sweet-scented

Double, fragrant flowers; plants have short runners. For rock-garden or window-boxes.

- 3A 2139 **Salmon Gleam**
3A 2135 **Mahogany Gleam**
3A 2136 **Moon Gleam** (golden cream)
3A 2134 **Golden Gleam**
3A 2138 **Scarlet Gleam**
3A 2137 **Orange Gleam**
3A 2140 **Glorious Gleam Mixture**
Each, pkt. 15 cts., oz. 40 cts., ¼lb. \$1.25, lb. \$4
3A 2959 **COLLECTION**: Pkt. each, 6 colors, 75c.

Tom Thumb or Bedding (Single)

- 2144 **Large-flowered, Dwarf, Mixed**. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$3.50.

Tall or Climbing (Single) 6 to 10 ft.

- 2145 **Large-flowered, Tall, Mixed**. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$3.50.

- NIGELLA** (Love-in-a-Mist; Fennel Flower.) An easily grown annual with cup-shaped flowers partly hidden by lace-like foliage.
2165 **Miss Jekyll**. Sky-blue; double. 2 ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.
2167 **NOLANA, Blue Ensign** (Chilean Bellflower). 1 ft. *Annual*. Bedding or greenhouse. Ultramarine flowers on 6-in. stems. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

- CENOTHERA** (Evening Primrose). *Perennial*. Its flowers open in the afternoon.
2169 **Clutei**. Soft creamy yellow. 4 ft. Pkt. 20 cts., 3 pkts. 50 cts.

- 2198 **PASSIFLORA corulea** (Passion Flower). *Perennial*. Shown in color on page 47. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

- 2331 **PHACELIA campanularia** (California Bluebell). *Annual*. Blue flowers all summer. Charming edging plant. 1 ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

- 2362 **PHYSALIS Francheti**. *Perennial*. Familiar scarlet lanterns. Blooms first year from seed if sown early. 2 ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

- 2364 **PHYSOSTEGIA, Summer Snow** (False Dragonhead). *Perennial*. Bears spikes of pure white, tubular flowers. 4 ft. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

Giant-Flowered Pansies

TREAT AS ANNUALS OR BIENNIALS

Sow in April and again in July and August in a light, cool, but well-moistened soil, enriched with General Garden Fertilizer. Cover them three times their diameter, and firm the soil. Seed-bed should not be allowed to dry out. Transplant to 1 foot apart. Protected in winter under glass, summer-sown plants are put out in bloom in April; carried over in the open they flower a month later.



Nasturtium, Dwarf or Globe

- 3A 2188 **SAWCO EXHIBITION STRAIN**. Includes the finest varieties, with blooms of good size, splendid texture, and plants of robust constitution. Every color. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.25.

SWISS GIANTS. Large, blooms of good shape; many unusual shades. They stand warm weather well. Four colors available: 2190A Blue, 2190B Wallflower-red and orange, 2190C Canary-yellow with blotches, 2190D White.

Each, pkt. 50 cts., 3 pkts. \$1.25

- 2190 **Mixed**. Pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75, ½oz. \$2.50, ¼oz. \$4.50.

- 3A 2191 **NON PLUS ULTRA, MIXED**. For the gardener who desires his beds of good quality and with every color. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

- 2192 **MIXED BEDDING PANSIES**. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

Giant Greenhouse Pansies

- 3A 2196 **SAWCO STUPENDOUS**. Remarkable strain of gigantic proportions for indoor culture, offered exclusively by us. The plants grow 4 feet high. Carried on thick, stiff stems, 18 inches long, are enormous flowers 4 to 4½ inches across and in a complete color-range. For the professional gardener and producing florist. May be grown in the open, also, but with winter protection. Pkt. \$2, 3 pkts. \$5.50.

PENTSTEMON (Beard Tongue). *Treat as an Annual*. Attractive perennial producing sprays of bright-colored tubular flowers. Good bedding plant. Give it the same culture as Salvia, sowing seed in March, and it will be effective same summer.

- 3A 2200 **Sensation**. Rose, red, carmine, cherry, lilac, purple, etc. 2 ft. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

PLATYCODON (Balloon Flower; Oriental Bellflower). *Perennial*. Beautiful plants with showy bell-shaped flowers.

- 3A 2367 **Grandiflorum**. Steel-blue; 2½ ft. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

SUPER-PASTORAL GIANTS. Superb Strain of giant fancy Pansies. A vigorous root-system enables them to bloom well into hot weather. Flowers are round, of immense size, firm texture with strong stems.

- 3A 2171 **Emperor William Blue**
3A 2172 **Light Lavender**
3A 2173 **Pure Golden Yellow**
3A 2174 **Snow-White**

Each, pkt. \$1, 3 pkts. \$2.75, 6 pkts. \$5

New crop seed of above 4 colors available in July. New seed of Mixed ready.

- 2177 **Super-Pastoral Giants, Mixed**. Pkt. \$1, 3 pkts. \$2.75, ½oz. \$3.50, ¼oz. \$6, ¼oz. \$10.

Pastoral Giants

The Pastoral Giants embrace a wider range of color than other large Pansies. Many are frilled and sweetly perfumed.

- 3A 2181 **Pure Golden Yellow**.
3A 2183 **Pure Snow-White**.
3A 2182 **Lavender** (light).
3A 2179 **Emperor William Blue** (dark).
3A 2180 **Fancy Red Shades**.
3A 2178 **Bronze Shades**.
3A 2184 **Yellow, Dark Eye**.

Each, pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.25

New crop of above 7 colors available in July. New seed of mixed ready.

- 2187 **Pastoral Giants, Mixed**. Pkt. 50 cts., 3 pkts. \$1.25, ½oz. \$2, ¼oz. \$3.50, ¼oz. \$6.

- 2194 **BABY DELIGHT**. Beautiful waved blooms are light blue. They appear in ten weeks from seed. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

- 2195 **CORONATION GOLD**. Flowers 3 inches across, with ruffled edges. Color is canary-yellow, lower petals flushed orange. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.



Nigella, Miss Jekyll

Brilliant Petunias

Petunias are ideal for beds or window-boxes. They flower in summer, if sown in the open during May or June. Sown in the house or hotbed in March, will be in bloom by June and will be larger and finer.

All-Double Petunias

2236 **Dwight D. Eisenhower.** The first all-double salmon-pink. Flowers are $2\frac{3}{4}$ inches across, covering the 16-inch bushy plants. Pkt. \$2, 3 pkts. \$5.50.

2235 **Rose Marie.** Rose-pink 3-inch flowers. Bushy plants 18 inches high.

2234 **Colossal Shades of Rose.** Flowers $5\frac{1}{2}$ inches; a mixture of pinks. $1\frac{1}{2}$ ft.

Above, each, pkt. \$1, 3 pkts. \$2.75

2233 **America All-double.** Shapely foot-high plants covered all summer with mauve-pink flowers like carnations, $3\frac{1}{2}$ inches across. Pkt. 50 cts., 3 pkts. \$1.25.

Dwarf Giant Fringed

New Pan-American types; dwarf plants but giant fringed all-double flowers.

2246 **Sonata.** Pure white.

2243 **Caprice.** Beautiful rose-pink.

2242 **Allegro.** Charming salmon-pink.

2244 **Nocturne.** Purple.

2245 **Minuet.** Orchid-pink.

2247 **Mixed Colors.**

Above, each, pkt. \$1.50, 3 pkts. \$4

2260 **Double Fringed Mixed.** Double, semi-double, and a few single flowers. Large, fringed. Wide color-range. Pkt. 60 cts., 3 pkts. \$1.60, 6 pkts. \$3.

Giant Single Fringed

Mostly 15 inches tall; 3 to 4-inch flowers.

2204 **Pride of Portland.** Rose-pink.

2205 **Scarlet Beauty.** Scarlet.

2206 **Theodosia.** Large; soft rose-color, with a golden throat, beautifully veined.

2207 **Violacea.** Velvety violet-blue.

2208 **White Beauty.** Clear, crisp white.

2215 **Single Fringed, Mixed (Fluffy Ruffles).**

Each, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10

2960 **COLLECTION:** Pkt. each, 5 colors, 95 cts.

2202 **Dainty Lady.** The flowers are fringed, medium in size and light golden yellow. Pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75.

2203 **Glamour.** Single, frilled flowers, over 5 inches across. Rosy salmon; cream throat. 20 in. Pkt. 50 cts., 3 pkts. \$1.25.

Giant Single Plain-edged

2219 **Elk's Pride.** Large; dark purple.

2218 **Dwarf Pink Glory.** Deep rose.

2220 **Purple Prince.** Purple-violet.

2222 **White Cloud.** Large; pure white.

Each, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10

2961 **COLLECTION:** Pkt. each, 4 colors, 80 cts.

2217 **Dwarf Elk's Pride.** Shorter by 3 inches, it is a splendid edging variety. Pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75.

Ruffled Petunias

2261 **Copper-Red.** Unusual; wide throat is darker red. Pkt. 50 cts., 3 pkts. \$1.25.

2262 **Dwarf Giants of California.** Large flowers with yellow throats, heavily veined. Compact, vigorous. Mixed colors. Pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75.

2263 **Little Giants, Mixed.** Flowers 4 inches across, frilled and ruffled. All colors from white through pink to red. Compact. 10 in. Pkt. 50 cts., 3 pkts. \$1.25.

2264 **Garden Giants.** Large plants with 4-inch ruffled blooms and a wonderful range of color. Mixed pkt. 50 cts., 3 pkts. \$1.25.

Two Outstanding Novelties

2238 **FIRE CHIEF.** Won the Gold Medal, All-America Seed Trials for 1950. Three-inch, velvety blooms of firehouse-red that will seem to set your border alight. Plants are 12 inches high, and the single flowers are shown in color on page 47.

2237 **SILVER MEDAL.** Winner of Silver Medal, All-America Seed Trials for 1949. Single flowers 3 inches across are carried in abundance from early summer to frost. They open lustrous salmon-cerise with an orange undertone, gradually changing to rich salmon. 1 foot high, compact, bushy and 18 to 20 inches through.

Above two, each, pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.25

Single Balcony, Plain-edged

For borders, beds, and rock-gardens; their somewhat spreading habit enables them to festoon themselves over window-boxes, porches and walls. Flowers 3 inches across.

2281 **White**

2277 **Blue**

2280 **Rose**

2279 **Purple**

2278 **Crimson**

Each, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10

2962 **COLLECTION:** Pkt. each, above 5 colors, \$1

2282 **Balcony Mixed.** Pkt. 20 cts., 3 pkts. 50 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Miniature Types

Ball-shaped plants 6 to 8 inches high are covered with flowers 2 inches in diameter, deeply lobed and broad-pointed.

2270 **Rose Gem**

2271 **Violet Gem**

2272 **Mixed Gems**

Each, pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75

Single Bedding (*P. hybrida*; $1\frac{1}{2}$ ft.)

2216 **Burgundy.** Mixture of purple and carmine; each flower with white throat and violet lines.

2296 **Flaming Velvet.** Flowers are a brilliant velvety scarlet.

2297 **Igloo.** Beautiful new cream-white, $1\frac{1}{2}$ -inch flowers with yellowish throats.

2288 **Peach Red.** Two-inch single salmon-cerise flowers, plain edged. 15 in.

Above 4, each, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10

2294 **Blue Bedder.** Rich, royal blue. Effective in beds. Also as a pot-plant. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

2287 **Pink Sensation.** Wonderful new pink. Flowers are 3 inches across. Abundant bloom all season. 2 ft. tall and 4 ft. through. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.25.

2221 **Snowstorm Improved.** Glistening white; yellow suffusion in throat. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

2299 **Topaz Queen.** Light cerise-red or topaz-rose; fragrant. $1\frac{1}{2}$ ft. Pkt. 20 cts., 3 pkts. 50 cts., 6 pkts. 90 cts.

2306 **Bedding, Mixed.** Pkt. 15 cts., 3 pkts. 40 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 85 cts.

Dwarf Bedding (*P. compacta*; 9-12 in.)

2307 **Bright Eyes.** Flowers are single, rose-pink with a white throat; they are small, but the 10-inch plants are covered with them. Superior to Rosy Morn.

2309 **Cheerful.** Dwarf, compact type, covered all season with large, light salmon-pink blooms 2 inches across.

2311 **English Violet.** Mauve or purple-violet; for novel color combinations in flower-bed planting.

2310 **Cream Star.** Moderately large flowers, soft cream-white, having an inner star-shaped darker cream mark. 15 in.

2313 **Glow.** Plant is covered with medium-sized, rose-red flowers; lighter throat.

2314 **Heavenly Blue (Silver Blue).** Enchanting shade of light silvery blue.

Above 6, each, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10

2308 **Celestial Rose.** Deep satiny rose with a white throat. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.

2315 **Rose of Heaven.** Rich, brilliant rose, deeper than Rosy Morn. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts., $\frac{1}{4}$ oz. \$1.25.

2316 **Rosy Morn.** Carmine-pink; white throat. Pkt. 15 cts., 3 pkts. 40 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

2318 **Velvet Ball.** Flowers $2\frac{1}{2}$ inches in diameter; velvety blood-red. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.25.

2319 **Violet-Blue.** Rich violet within and bright blue without. 9 to 12 in. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

2320 **Compacta Mixed.** Pkt. 15 cts., 3 pkts. 40 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

The Annual Phlox

Brilliant free-flowering bedding plants. Sow outdoors in May, or earlier indoors.

Drummond's Gigantea

2334 **Red Glory.** Light crimson flowers, $1\frac{1}{4}$ inches across, with cream eye. $1\frac{1}{2}$ ft.

2335 **Rosy Morn.** Florets as large as half-dollars, brilliant rose, white center. 1 ft.

2336 **Salmon Glory.** Large salmon-pink flowers, each with a cream-white eye. 10 in.

2333 **Gigantea, Art Shades.** Flowers $1\frac{1}{2}$ inches across, soft pastel colors. 9 in.

Each, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10

Large-flowering Tall. 15 in.

2340 **Chamois-Rose.** Pink. 2344 **Yellow**

2342 **Purple** 2343 **White** 2341 **Scarlet**

Each, pkt. 20 cts., 3 pkts. 50 cts., 6 pkts. 90 cts.

2963 **COLLECTION:** Pkt. each 5 colors, 85 cts.

2345 **Tall Mixed.** Pkt. 20 cts., 3 pkts. 50 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Large-flowering Dwarf, 6 in.

2350 **Apricot** 2351 **Chamois** 2355 **Yellow**

2353 **Scarlet** 2352 **Purple** 2354 **White**

Each, pkt. 20 cts., 3 pkts. 50 cts., 6 pkts. 90 cts.

2964 **COLLECTION:** Pkt. each 6 colors, \$1

2356 **Dwarf Mixed.** Pkt. 20 cts., 3 pkts. 50 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

2361 Hardy Phlox

Large-flowering, tall mixed. *Perennial.* Pkt. 15 cts., 3 pkts. 40 cts., $\frac{1}{4}$ oz. 60 cts.

PYRETHRUM (Painted Daisy). *Perennial.* Attractive plants with daisy-like flowers.

For cut-bloom and the garden. 2 ft.

2455 **Double Hybrids.** Wonderful strain in pink, salmon-scarlet, and pure white.

Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

2456 **Single Hybrids, Mixed.** Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

WE OFFER A COLLECTION of twelve packets of seed of HARDY PERENNIALS that are most suitable for ROCK-GARDENS. Price \$1.75.

Primula • Primrose

Greenhouse Plants and Hardy Perennials

Sown in April will bloom early winter; August for spring blooming. Sow in shallow pans of sand and leaf-mold worked through a sieve, and allow for drainage. Cover seeds lightly, water frequently; give a temperature of 65 degrees. Hardy types may be sown in the open; they do best in moist, light shade.

Fringed Primula (*P. sinensis*)

3A 2415 **Single Hybrids, Mixed.** New and beautiful shades. Pkt. 75 cts., 3 pkts. \$2.

Primula obconica gigantea

Our improved strains outrival the old types; flowers often measure 2 inches across. 2430 **Mixed.** Pkt. 50 cts., 3 pkts. \$1.25.

Primula malacoides • Baby Primrose

Handsome specimen plants and flowers that are exceptionally large and well formed. 2435 **First Lady.** New. White tinged pink; a large proportion are double. 2431 **Cameo.** New. Lavender-orchid. A high percentage of large double flowers. 2432 **Double Twinkles.** Soft flesh-pink. 2434 **Enchantress.** Soft salmon-rose. 2442 **Double Mixed.**

Above 5, each, pkt. \$1.50, 3 pkts. \$4

2443 **California, Mixed.**

2438 **Snowflake.** White.

Above 2, each, pkt. \$1, 3 pkts. \$2.75

Hardy Primulas

2445 **Bulleyana hybrida.** Orange, apricot, and carmine; 2 ft.

2446 **Denticulata.** Rosy lilac; 1 ft.

2450 **Lissadel, Red Hugh.** Fiery red. 1 ft.

2451 **Sikkimensis** (Sikkim Cowslip). Yellow; fragrant. 1½ ft.

Above 4, each, pkt. 50 cts., 3 pkts. \$1.25

2449 **Japonica, Choice Hybrids.** 2 ft. Pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75.

2452 **Veris, Mixed** (Cowslip). 1 ft.

2453 **Vulgaris.** The true English Primrose. Canary-yellow; fragrant. 6 in.

Above 2, each, pkt. 25 cts., 3 pkts. 60 cts.

PORTULACA (Sun-Plant). Annual. Matting 6-inch plants with narrow, fleshy leaves and 1-inch bright flowers which open only on fine days. Of easy culture in a sunny situation. Fine for beds, rockwork etc.

Double Grandiflora

3A 2406 **White** 3A 2404 **Pink**

3A 2407 **Yellow** 3A 2405 **Scarlet**

Each, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10
2983 **COLLECTION:** Pkt. each 4 colors, 75 cts.

3A 2410 **Double Mixed.** Pkt. 20 cts., 3 pkts. 50 cts., ½ oz. 60 cts., ¼ oz. \$1, oz. \$3.50.

3A 2411 **Single Grandiflora, Choice Mixed.** Pkt. 15 cts., ¼ oz. 50 cts., oz. \$1.75.

POLYANTHUS (*Primula elatior*). Perennial. Trusses of flowers on 10-inch stems. Sow in May and transfer to permanent position in autumn. Protect over winter.

2414 **Mixed Colors.** Pure white, through yellow to rich wallflower-red. Pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75.

2412 **Blue Beauty.** Fine blue Polyanthus Primrose. Pkt. 50 cts., 3 pkts. \$1.25.

ANNUAL POPPIES

Sow in spring, thin to 6 inches; again in fall for next year. They do not transplant.

2374 **American Legion.** (Single Shirley.) Large, orange-scarlet flowers. 2¾ ft.

2375 **Sweet Brier.** Large, double fluted blooms that are a striking deep rose-pink.

Above, each, pkt. 15 cts., 3 pkts. 40 cts.
6 pkts. 75 cts.

2378 **Single Shirley, Mixed.** Graceful. Pkt. 10 cts., ¼ oz. 25 cts.

2379 **Double Shirley, Mixed.** Pkt. 15 cts., ¼ oz. 50 cts.

PERENNIAL POPPIES

ORIENTAL (*Papaver orientale*). Perennials. Enormous flowers. Sow in spring. They die back in July, reappear in fall.

2383 **Princess Victoria.** Salmon.

2382 **Oriflamme.** Orange-scarlet.

2384 **Scarlet.** Brilliant.

Above 3, each, pkt. 25 cts., 3 pkts. 60 cts.,

2390 **Finest Mixed.** Pkt. 20 cts., 3 pkts. 50 cts., 6 pkts. 90 cts.

ICELAND (*Papaver nudicaule*). Perennials flowering first year. Graceful, bright green, fern-like foliage, from which issue slender flower-stalks about 1 foot high.

2393 **The Emperor.** Fine deep tangerine. Flowers are fluted. 1½ feet high.

2394 **The Empress.** Lovely salmon-rose and pink. Fluting and wrinkling make the large flowers appear semi-double.

2395 **Yellow Wonder.** New variety 3 feet high, flowers measure 4 to 6 inches across and are bright buttercup-yellow.

Above 3, each, pkt. 25 cts., 3 pkts. 60 cts.

2391 **Coonara Pink.** Rose-pink and salmon are blended to give us flowers of rare shades; petals are slightly ruffled.

2392 **Sanford's Giant Strain, Mixed.** Very long stems bearing large flowers make this kind invaluable. All colors.

Above 2, each, pkt. 20 cts., 3 pkts. 50 cts.

2400 **Iceland Poppies, Single Mixed.** Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

2401 **TIBETAN POPPIES** (*Meconopsis Baileyi*). A 4-foot perennial, with sky-blue flowers. Sow in a coldframe. Transfer to small pots, and later plant into deep loam and leaf-soil in a moist, well-drained, half-shady position. Slow to germinate. Pkt. 50 cts., 3 pkts. \$1.25.

RUDBECKIA • Coneflower

First two are Annuals, last two Perennials

2463 **Starlight.** Large, semi-double hybrids. Some are double, others single, some midway. Colors from primrose to mahogany. 3 ft.

Pkt. 25 cts., 3 pkts. 60 cts.

2460 **Kelvedon Star.** 3 ft. The flowers are orange or yellow, and all have brown centers. Pkt. 15 cts., 3 pkts. 40 cts.

2459 **Hirta Hybrids, Mixed.** Sown indoors in March, they bloom same summer. Flowers are large, single, and each is of only one color; from deep mahogany through bronze and orange to yellow. 2 ft. Pkt. 25 cts., 3 pkts. 60 cts.

2462 **Purpurea.** Reddish purple; 4 ft. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

2457 **RANUNCULUS, Tecolote Hybrids.** Perennial; treat as Annuals. Mixture of reds, yellows, orange, etc. Includes singles, semi-doubles and doubles. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.25.

SALPIGLOSSIS • Painted Tongue

Annual. Funnel-shaped blooms have veining through the groundwork. Sow in open in spring, or earlier indoors, and transplant.

2467 **Finest Tall Mixed.** Orchid-flowering, or Superbissima hybrids. A mixture of choice color combinations—brown and gold, blue and gold; purple, scarlet and rose with gold; crimson, primrose, violet, etc. Pkt. 10 cts., 3 pkts. 25 cts., ¼ oz. 50 cts., oz. \$1.50.

2468 **Dwarf Giant-flowering, Mixed.** 2 ft. Pkt. 15 cts., 3 pkts. 40 cts., ¼ oz. 75 cts., oz. \$2.50.

SALVIA • Scarlet Sage

Familiar annual bedding plants, in full bloom throughout the summer. Sow seeds from February to April indoors.

2476 **Ostrich-Plume** (Double Salvia.) The bush is well covered with plumes of blossom. As a cut-flower, one of these scarlet plumes alone makes a delightful decoration. 2 ft.

2475 **Harbinger.** A true, dwarf, large-flowering Salvia which commences blooming in July from early-sown seed. It makes beautiful symmetrical plants about 15 inches high, densely clothed with long sprays of large, brilliant scarlet flowers. Above 2, each, pkt. 25 cts., 3 pkts. 60 cts.

2472 **America or Globe of Fire.** The bushy plants grow 15 inches high, with large spikes of brilliant scarlet flowers adding a further 9 inches. Pkt. 25 cts., 3 pkts. 60 cts., ½ oz. \$1.50, ¼ oz. \$2.50.

2478 **Scarlet Dragon.** Improved Splendens type; flowers are nearly twice the size, closely crowding the immense spikes. 2½ ft.

2479 **Splendens** (Scarlet Sage). Bright scarlet; very showy. 2½ ft.

2474 **Bonfire.** Compact bushes produce upright spikes of very brilliant scarlet flowers. 2½ ft.

2482 **Zurich.** Valuable because of its earliness. Dwarf and bushy, with full, heavy spikes of scarlet flowers. 2 ft.

2473 **Blaze of Fire.** The dwarfest bright scarlet Salvia, and the most brilliant. Fourteen days earlier than most other varieties. 1 ft.

Above 5, each, pkt. 25 cts., 3 pkts. 60 cts.

The Welwyn Salvias

These are 3 feet high and are entirely covered with large blooms. Invaluable for green-garden effect before the blooming period. To get the best results for late autumn bloom plants should be pinched back.

2480 **Pink** 2484 **Lavender**
2481 **White** 2485 **Maroon**
2483 **Purple**

Each, pkt. 50 cts., 3 pkts. \$1.35

Perennial Salvia

Treat as an annual; sow in April to bloom July to October.

3A 2489 **Farinacea.** Light blue. 2½ ft. Pkt. 15 cts., 3 pkts. 40 cts., ½ oz. 60 cts., ¼ oz. \$1.

3A 2488 **Blue Bedder.** Compact, and deeper blue. A profuse bloomer. 3 ft. Pkt. 25 cts., 3 pkts. 60 cts., ½ oz. \$1.25, ¼ oz. \$2.

SCABIOSA

Mourning Bride; Pincushion Flower

Beautiful annuals about 2½ feet high blooming from July to frost. For cutting they are valuable, also for borders or beds. Sow in the open in spring.

Tall Annual Varieties

- *2498 **Blue Moon.** Large, double, cone-shaped flowers, 2¼ inches across, of rich deep lavender-blue.
- 2500 **Loveliness.** Varying tones of soft delicate rose. Long stems; fragrant.
- 2502 **Peach Blossom.** New shade of peach-blossom-pink. Flowers large.
- *2504 **Rosette.** Beautiful deep rose, suffused with salmon; extra-large flowers.
- 2505 **Salmon Beauty.** Pure salmon.
- *2506 **Shasta.** Pure white, 3½ inch blooms.
- *2508 **Black Knight.** Purplish black.
- *2503 **Rich Red** *2507 **Yellow**
- 2501 **Orchid Shades, Mixed.** Colors include mother-of-pearl pink, light pink, dark pink, mauve, crushed strawberry.
- Each, pkt. 15 cts., 3 pkts. 40 cts., oz. \$2
- 2965 **COLLECTION:** Pkt. each 6 sorts above marked (*), 85 cts.

2513 **Tall Mixed.** Pkt. 10 cts., 3 pkts. 25 cts., ¼oz. 50 cts., oz. \$1.50.

Semi-Dwarf Varieties

- 2514 **Heavenly Blue.** Bedding variety. Compact; the flowers on short stems. Cone-shaped and azure-blue. 1½ feet.
- 2515 **Peace.** Fully double, white. Beehive-shaped flowers are 1¾ inches across.
- Above 2, each, pkt. 15 cts., 3 pkts. 40 cts.

Perennial Varieties

- 2520 **Giant Hybrids (Isaac House Strain), Mixed.** Larger flowers on longer stems: lilac, lavender, violet, purple, mauve, light and dark blue, and white. 3 ft. Pkt. 25 cts., 3 pkts. 60 cts.
- 2519 **Caucasica (Blue Bonnet).** Valuable for cutting; lilac-blue. 3 ft. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.
- 2518 **Caucasica alba.** Beautiful white form. Pkt. 25 cts., 3 pkts. 60 cts.
- 2496 **SAPONARIA ocymoides.** Perennial. Hardy rock-plant; small pink flowers. 9 in. Pkt. 15 cts., 3 pkts. 40 cts.
- 2526 **SHAMROCK.** (True Irish.) Sow under glass around January 10 to have a supply of plants in pots by March 17. Pkt. 10 cts., 3 pkts. 25 cts., 6 pkts. 40 cts.
- 2528 **SILENE Schafta (Autumn Catchfly).** Perennial. Pink flowers July-Sept. 4 to 6 in. Pkt. 25 cts., 3 pkts. 60 cts.
- 2530 **SOLANUM Capsicastrum (Jerusalem Cherry).** Greenhouse Plant. Dwarf, branching plants; bright scarlet berries. 15 in. Pkt. 25 cts., 3 pkts. 60 cts.
- 2588 **STOKESIA cyanea.** (Cornflower Aster.) Hardy Perennial. Twenty to thirty handsome lavender-blue cornflower-like blossoms often 4 inches across; July to frost. Indispensable for cutting. 2 ft. Pkt. 25 cts., 3 pkts. 60 cts.
- 2739 **TAGETES signata pumila, Little Giant.** Compact annual, with fern-like leaves. Yellow flowers, striped brown. 10 in. Pkt. 15 cts., 3 pkts. 40 cts.
- 2741 **TAHOKA DAISY.** Sow in the open in early spring; 1½-inch blue daisies from July to October. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.



Schizanthus, Giant-flowering Hybrids

SCHIZANTHUS

Fringe Flower; Butterfly Flower

Annual. Pretty, irregularly shaped, notched and blotched flowers. Grown largely as a greenhouse plant, also outdoors.

- 2523 **Canadian Super-Giants.** Blooms 2 inches across. Rich colorings and unusual markings; distinct. Pkt. \$1, 3 pkts. \$2.75.
- 2524 **Giant-flowering Hybrids, Mixed.** Splendid pot-plant and cut-flower. 15 in. Pkt. 25 cts., 3 pkts. 60 cts.

STATICE (Sea Lavender). Annuals except *Caspia* and *Perezii*, which are perennials. Everlasting. Cloud-like flowers make borders gay and blend well with other Everlastings in winter. Sow outdoors in May.

- 2533 **Sinuata, Kampf's Blue.**
- 2534 **Pastel Shades.**
- 2535 **Rose Superba.** 2 ft.
- 2536 **Yellow (S. Bonduelli).** 3 ft.
- 2537 **Mixed.**
- 2544 **Suworowi.** Cloud-like masses of rose; 2 ft.

Each, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

Perennial Types

- 2542 **Caspia.** Pyramidal habit; graceful. Lavender-blue flowers. 2½ ft. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
- 2543 **Perezii.** Rich blue. Pkt. 20 cts., 3 pkts. 50 cts., 6 pkts. 90 cts.

ALPINE STRAWBERRIES. From Seed.

Abundance of small sweet berries within 12 weeks. Sow indoors in February or March; keep moist and shaded. Plant out in May.

- 2590 **Baron Solemacher.** Red fruits. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
- Plants of Alpine Strawberries ready April 1, \$1.75 per doz., \$3 for 25, \$10 per 100.

2742 **THALICTRUM dipterocarpum (Meadow Rue).** Perennial. For garden decoration and cutting. Flowers violet-mauve, brightened by lemon-yellow stamens. 3 ft. June, July. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

2744 **THERMOPSIS. Caroliniana.** Perennial. Long spikes of yellow blossoms. June, July. 4 ft. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

2745 **THUNBERGIA. Mixed (Black-eyed Susan).** Annual Climber. Rapid-growing climber for a warm, sunny situation. Flowers buff, white, orange, etc., with dark eyes. For hanging-baskets, vases, low fences. 4 ft. Pkt. 15 cts., 3 pkts. 40 cts.

2747 **THYMUS Serpyllum (Mother of, or Creeping, Thyme).** Perennial. For the alpine garden. Trailing, with lilac-purple flowers. 4 in. Pkt. 50 cts., 3 pkts. \$1.25.

STOCKS

Fragrant and showy plants of simple culture. For the garden and greenhouse. Sow indoors in March; plant out in May.

Early Giant Imperial Stocks

Bloom very quickly, and continue through summer. Branching habit. 2½ feet.

- *2549 **Antique Copper.** Rich Hellebore-red, overlaid with copper.
- *2552 **Buttercup.** New deep yellow.
- *2556 **Elk's Pride.** An intense purple.
- *2558 **Shasta.** Glistening, giant white.
- *2553 **Chamois-Rose** 2554 **Dark Blue**
- 2550 **Apple Blossom** 2551 **Blood-Red**
- *2557 **Lavender** 2555 **Deep Rose**

Each, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10

2966 **COLLECTION:** Pkt. each of 6 varieties marked (*), \$1.15

2564 **Mixed.** Pkt. 25 cts., 3 pkts. 60 cts. ½oz. \$1.



Stocks, Early Giant Imperial

COLUMNAR TYPE. For greenhouse forcing. Each plant produces one stem, on which is the large flower-spike of up to 20 blooms, mostly double. 3 ft.

- 2565 **American Beauty.** Old rose.
- 2577 **Apricot.** New color.
- 2566 **Ball Blue.** Rich lilac shade.
- 2567 **Ball Supreme.** Rich silvery rose.
- 2568 **Chamois-Rose.** 2569 **Deep Rose.**
- 2570 **Gardenia.** White. 2572 **Purple.**
- 2571 **Lilac-Lavender.** 2573 **PureWhite.**
- 2575 **Silvery Lilac.** 2574 **Ruby.**
- 2582 **Mixed.** 2576 **Yellow Wonder.**

Each, pkt. 50 cts., 3 pkts. \$1.25

Giants of California

Ideal new greenhouse type with long flower-spikes, 70% double. Quick-growing, immense florets, and especially good colors.

2583 **Santa Maria.** White. 2584 **Mixed.** Each, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10

2748 **TITHONIA speciosa (Mexican Sunflower).** Annual. Early. Sow in spring outdoors, or earlier indoors for transplanting. Shrub-like plant; large orange daisy-like flowers are 3 to 4 inches in diameter 8 ft. Pkt. 15 cts., 3 pkts. 40 cts.

2750 **TORENIA Fournieri.** Greenhouse and Bedding Annual. For vases, baskets, borders. Sky-blue flowers, yellow centers. Pkt. 25 cts., 3 pkts. 60 cts.



Brilliant BEDDING PETUNIA

← FIRE CHIEF 2238

This new foot-high, prize-winning variety will give you a flower bed literally ablaze with color. A new introduction of such outstanding merit that it won the gold medal of the All-America Seed Trials for 1949. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.25.



A flower bed of
Petunias is a glorious
sight all summer

BALCONY PETUNIAS

For borders, beds, and rock-gardens; their spreading habit enables them to festoon over window-boxes, porches and walls. Flowers 3 inches across.

2281. **White.**

2280. **Rose.** Pure rose-pink.

2278. **Crimson.** Rich deep crimson.

2277. **Blue.** Velvety violet-blue.

2279. **Purple.** Velvety violet-purple.

Each, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10
2962. **COLLECTION:** Pkt. each above 5 colors, \$1

2282. **BALCONY, Mixed.** All colors.
Pkt. 20 cts., 3 pkts. 50 cts. 1/6oz.
75 cts., 1/4oz. \$1.25

PASSION FLOWER

Left. Half-hardy Perennial. Handsome rapid climber for sunny, sheltered positions in the garden or the greenhouse. Curiously beautiful flowers with creamy white petals and a fringed crown or halo of clear blue and purple rays around the mysterious center. They show the Cross, Crown of Thorns and Nails. Needs a mulch of leaves or manure to carry it over winter outdoors.

2198. **Seed.** Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.

Plants in pots, ready in May. \$1.50 each, 3 for \$4, \$15 per doz.

GIANT SWISS PANSIES

2190. **Mixed Colors.** Enormous blooms of good shape; many unusual shades; most flowers different. Sow in April and again in July and August in a light, cool, but well-moistened soil, enriched with General Garden Fertilizer. Transplant to 1 foot apart. Protected in winter, summer-sown plants bloom in April; carried over in the open they flower a month later. Pkt. 35 cts., 3 pkts. 90 cts., 6 pkts. \$1.75, 1/6oz. \$2.50, 1/4oz. \$4.50.



Pansies are most
effective in early
spring



Gorgeous ZINNIAS

Seed may be sown in a hotbed or sunny window and transplanted, or sown later in the open ground. The plants flower early in summer and bloom until frost.

Quaint Fantasy Varieties

The lovely 3-inch blooms are shaggy, waved and frilled. 33-inch plants.

- 2868. **Wildfire.** Scarlet.
- 2869. **White Light.** Nearly pure white.
- 2865. **Orange Lady.** A gay shade of bright orange.
- 2866. **Rosalie.** Bright, intense rose.
- 2867. **Stardust.** The waved and frilled flowers are a rich, deep gold.

Above 5, each, pkt. 20 cts., 1/4oz. 60 cts., oz. \$2

2974. **COLLECTION:** Pkt. each above 5 colors, 75 cts.

2974A. 1/4oz. each, \$2.50

2874. **Fantasy, Mixed Colors.** Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Double Dahlia-flowered Kinds

Mammoth flowers average 6 inches across by 3 to 4 inches in depth, similar in shape to the decorative dahlia. 3 ft.

- 2814. **Canary Bird.** Very large flowers of clear yellow.
- 2827. **Scarlet Flame.** Bright scarlet, blended with orange.
- 2820. **Exquisite.** Light rose, with deep rose center.
- 2823. **Oriole.** A striking two-color flower—orange and gold.
- 2817. **Dream.** Deep lavender-blue—a remarkable shade.
- 2815. **Crimson Monarch.** Immense flowers of flaming crimson.

Each, pkt. 15 cts., 3 pkts. 40 cts., 1/4oz. 60 cts., oz. \$2

2972. **COLLECTION:** Pkt. each above 6 colors, 60 cts.

2972A. 1/4oz. each, \$3.

2829. **Double Dahlia-flowered, Mixed.** Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.



SWEET PEAS

Sow as soon as the ground can be worked. Dig a trench about a foot wide and deep, fill with soil and rotted stable manure in equal parts, or soil with one-third Humus mixed with it and some General Garden Fertilizer added. Tread firmly. Make a single groove about ¾ inch deep; sow seeds every 2 inches, and cover. When the plants are 3 to 4 inches, thin to 6 inches apart. Supports 4 feet or more high should be provided.

The Sweet Pea is a moisture-loving plant, and by May the plants will require water. Dress with Mulch-o-Nure, old stable manure, Sawco-nure or peat-moss and soak well as needed.

Spencer Types (Outdoors)

(Summer-flowering)

- *2593 **Affection**. Coral-pink on cream, growing strongly; long stems.
- *2594 **Ambition**. One of the best large-flowered lavender sorts. Waved flowers.
- *2596 **Bonnie Ruffles**. Beautiful duplexed pink.
- *2597 **Capri**. Finest light blue. The color is clear and the flowers are large.
- *2599 **Chinese Blue**. Standard and wings are deep blue. Strong-growing; blooms large.
- *2600 **Crony**. Robust golden salmon.
- *2603 **Golden Dragon**. Duplex. The standard is bright orange; wings deeper orange-rose.
- *2605 **Grandeur**. Shell-pink on white. The vigorous plant blooms continuously.
- *2606 **Mastercream**. Beautifully frilled, mostly duplexed, cream color. Black seed.
- *2608 **Model**. Large white; long stems. Blossoms well waved. Black seed.
- *2611 **Prolific**. Clusters of 5, 6, or 7 flowers. Standards rose-pink, outside of wings deeper.
- 2612 **Royal Purple**. Finest large purple.
- 2614 **Ruffled White**. White, frilled and ruffled.
- 2615 **The Sultan**. Almost black—deep silky maroon. Large flowers.
- *2617 **Welcome**. Brilliant scarlet.

Each, pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50

Spencer Types in Collections

- 2970 **TWELVE NAMED SORTS**. One packet each of the varieties of special merit, distinguished above with an asterisk (*)..... **\$1.50**

Ten Spencer Types to Color

For those who desire the best Sweet Peas, but are not interested in names. Each is the most pleasing color, with long flower-stalks, suitable for house decoration. Each is robust, and should produce sprays of three or four blossoms.

- 2968 **COLLECTION of colors**. Separate, but unnamed Spencers
- 10 Packets..... **75 cts.**

Spencer Types in Mixture

- 2635 **MIXED GRAND PRIZE**. A carefully balanced selection of the best varieties of Summer-flowering Sweet Peas. Recommended for general use and garden display. Pkt. 10 cts., oz. 30 cts., ¼lb. \$1, lb. \$3.75.



Sweet William, Mixed

Cuthbertson Types (Outdoors)

(Early Summer-flowering)

These bloom more quickly than the Spencer Sweet Peas, but take several weeks longer than the winter-flowering or greenhouse types. They may be grown either outdoors or under glass with equal ease. Vigorous; they stand heat better, and are very good for outdoor sowing in the New York area; stems long, blooms large, and very fragrant.

- 2636 **Coline**. Scarlet.
- 2637 **Danny**. Navy-blue.
- 2639 **Evelyn**. Salmon-cream-pink.
- 2640 **Frank G.** Rosy lavender.
- 2642 **Hazel**. Light blue.
- 2643 **Janet**. Splendid white variety; seeds black.
- 2645 **Kenneth**. Glowing oxblood-crimson.
- 2646 **Lois**. Rose-pink on a white ground.
- 2648 **Marion**. Beautiful cream; seeds are black.
- 2649 **Tommy**. Clear medium blue.

Each, pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50

2969 **COLLECTION: (Cuthbertson Type)**

Pkt. each, above 10 colors, \$1.25

- 2651 **Cuthbertson Type Mixed**. Exciting well-balanced blend.

Pkt. 10 cts., oz. 35 cts., ¼lb. \$1.25

Winter-Flowering Types

(Greenhouse)

Quickest of all, these greenhouse subjects may be sown also in the garden for earliest bloom outdoors. In our southern states, if sown during the early fall months, they will produce flowers during the winter.

- 2661 **Blue Bonnet**. Clear deep blue.
- 2668 **Daphne**. Salmon-pink on cream.
- 2686 **Early Majestic Rose**. Deep rose-pink.
- 2688 **Early Mars**. Oxblood-crimson.
- 2670 **Evening Star**. Orange-scarlet.
- 2680 **Iris Blue**. Deep blue; wings lighter.
- 2685 **Lavanda**. Pure lavender.
- 2696 **Princess Blue**. Rich turquoise.
- 2697 **Red Giant**. True crimson.
- 2702 **Shirley Temple**. Soft rose-pink.
- 2706 **Tahoe**. Mid-blue.
- 2709 **Top Hat**. Deep violet.
- 2713 **Treasure Island**. Semi-duplexed orange.
- 2717 **Valencia**. Bright orange; sunproof.
- 2719 **White Giant**. Pure white.
- 2720 **White Harmony**. Fine black-seeded white.

Above Winter sorts, each, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

- 2722 **Winter-Flowering Mixed**. Pkt. 15 cts., ¼oz. 40 cts., oz. 75 cts.

SWEET WILLIAM (*Dianthus barbatus*)

Biennial. Flowers second season from seed. Sow outdoors in May; transplant in August.

TALL VARIETIES (1½ ft.)

- 2723 **Single White**.
- 2724 **Single Dark Crimson**.
- 2727 **Single Tall, Mixed**.
- 2730 **Newport Pink**. Watermelon-pink. 1½ ft.
- 2731 **Scarlet Beauty**. Rich, deep scarlet; vivid.
- 2729 **Holborn Glory**. Large auricula-eyed flowers. All show a clear white eye; superb.

Above, each, pkt. 15 cts., 3 pkts. 40 cts., ¼oz. 60 cts.

- 2728 **Double Tall, Mixed**. Pkt. 20 cts., 3 pkts. 50 cts., ¼oz. 75 cts.

MIXED DWARF VARIETIES (9 in.)

- 2735 **Single** 2736 **Double**
- Each, pkt. 15 cts., 3 pkts. 40 cts., ¼oz. 60 cts., ¼oz. \$1

- 2737 **Annual Sweet Williams**. Sown indoors in March, these bloom freely first year. 9 in. Mixed colors. Pkt. 15 cts., 3 pkts. 40 cts.

- 2751 **TRITOMA, Mixed Hybrids** (Flame Flower; Poker Plant; Torch Lily). Perennial. Dazzling flowers. Will live through winter with a leaf covering; or the roots may be packed in sand in a cellar. Pkt. 20 cts., 3 pkts. 50 cts.

- TROLLIUS** (Globe Flower). Perennial. Big buttercups. May-Aug.

- 2753 **Golden Queen**. Enormous 4-inch flowers. 4 ft. Pkt. 35 cts., 3 pkts. 90 cts.

- 2754 **Mixed**. Shades of orange, yellow and gold. Pkt. 25 cts., 3 pkts. 60 cts.

- VALERIAN** (Garden Heliotrope; Heal-All). Perennial. Pinnate foliage; panicles of scented flowers in June and July. 4 ft.

- 2757 **Red**. Pkt. 15 cts., 3 pkts. 40 cts.

VERBENAS

Mostly creeping annuals with clusters of flowers. Sow in May, or earlier. Thin to 1 foot.

- 2763 **Annapolis Blue**. Beautiful mixture of shades. The 3-inch clusters of flowers stand erect on foot-high stems. Their color varies somewhat, but may be classed as mid-blue.

- 2764 **Beauty of Oxford Hybrids, Mixed**. Rose-pink to rose-red. Enormous flowers.

- 2765 **Crimson Glow**. Fine crimson, pure, self-colored and without a white eye.

- *2766 **Etna**. Vivid scarlet, yellow eye.

- 2767 **Flamingo**. Vermilion-pink. 1½ ft.

- *2768 **Lavender Glory**. Lavender to light lavender, with cream centers.

- *2769 **Royale**. Royal blue, primrose eye.

- *2770 **Salmon-Pink**.

- 2771 **Spectrum Red**. Dazzling.

- *2772 **White King**. Pure white.

Above, each, pkt. 25 cts., 3 pkts. 60 cts.

- 2971 **COLLECTION: pkt., each marked *, \$1**

- 2773 **Giant Mixed**. Pkt. 15 cts., 3 pkts. 40 cts., ¼oz. 75 cts., ¼oz. \$1.25.

Bush Verbenas

Make a uniform border of 10-inch flat-topped plants over a foot across; mammoth flower-heads.

- 2777 **Roselight**. Rose-pink, white eye.

- 2774 **Salmon Queen**. Bright salmon.

- 2775 **Starlight**. Intense blue; cream-white eye.

Each, pkt. 25 cts., 3 pkts. 60 cts., ¼oz. \$1, ¼oz. \$1.75

Miniature Types

Tiny plants 9 inches high; bloom continuously. Recommended for bedding, or for the front of the border. Excellent pot-plants.

- 2778 **Fireball**. Bright flame-scarlet. Pkt. 20 cts., 3 pkts. 50 cts.

- 2776 **Mixed**. Pkt. 15 cts., 3 pkts. 40 cts.

Perennial Verbena

- 2779 **Venosa** (Hardy Verbena). Purple flowers all summer. 1 ft. Pkt. 15 cts., 3 pkts. 40 cts.



Verbena, Annapolis Blue

2761 **VERBASCUM phoeniceum Hybrids, Mixed** (Mullein). *Perennial*. Shades from white through yellow to deep orange. 3 ft. Pkt. 15 cts., 3 pkts. 40 cts.

2781 **VERONICA spicata, Blue** (Speedwell). *Perennial*. Spikes of bright blue flowers from July to September. 2 ft. Pkt. 25 cts., 3 pkts. 60 cts.

VINCA (Madagascar Periwinkle; Old Maid). *Annual*. Begins blooming in August from seed sown outdoors in May. Flowers in July if sown indoors during March. 1 ft.
3A 2783 **Alba**. Pure white.
3A 2784 **Rosea**. Rose.
3A 2785 **Rosea alba**. White with rosy eye.
2788 **Mixed**.

Each, pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

VIOLAS • Tufted Pansies

Perennial. Violas bloom for so long that they are often preferred to pansies.

Viola cornuta Hybrids

3A 2789 **Blue Gem** (Jersey Gem). Deep violet-blue, with slight variation. Comes about 70 per cent true. 4 in.
3A 2790 **Lutea splendens**. Glowing yellow.
3A 2791 **White Perfection**. Splendid white.
Above 3, each, pkt. 25 cts., 3 pkts. 60 cts.

Large-flowering Hybrid Violas

2793 **Arkright Ruby**. Terra-cotta on crimson. Fragrant.
2795 **Blue Perfection**. Plant almost hidden by medium clear blue flowers.
2796 **Chantryland**. Apricot; the best in this color to date.
2797 **Papilio**. Fine blue and white.
2801 **Finest Mixed**.
Above, each, pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10

2800 **Tricolor** (Johnny-jump-ups). Cheerful and popular little "Pansy Faces;" easy to grow; will self-seed without further attention. Flowers are purple, blue, and yellow. Pkt. 20 cts., 3 pkts. 50 cts.

Sweet Violets • Viola odorata

2802 **The Czar**. Deep violet, large and fragrant. Pkt. 35 cts., 3 pkts. 90 cts.

VIRGINIAN STOCKS. *Annual*. Gay in the period between spring and summer flowers. Fresh, bright colors.

2803 **Mixed**. Pkt. 10 cts., 3 pkts. 25 cts., 6 pkts. 40 cts.

VISCARIA, TOM THUMB. *Annual*. The plants are compact and bushy and they bloom so freely as to be entirely covered. Flowers resemble single wild roses in miniature. 1 ft.

3A 2804 **Blue Bouquet**. Flowers are brilliant cornflower-blue.

3A 2805 **Rose Queen**. Pink.
Above 2, each, pkt. 10 cts., 3 pkts. 25 cts.

WALLFLOWER. Half-hardy annuals and perennials for early spring bedding. Delightfully fragrant. Sow perennials in autumn and carry over in a coldframe. Sow annuals indoors in March.

2808 **Annual, Double Mixed**. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
2809 **Annual, Single Mixed**. Pkt. 10 cts., 3 pkts. 25 cts., 6 pkts. 40 cts.
2811 **Perennial, Double Mixed**. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.10.
2812 **Perennial, Single Mixed**. Pkt. 15 cts., 3 pkts. 40 cts., 6 pkts. 75 cts.

The Gorgeous Zinnia • Youth and Old Age (ANNUAL)

Seed may be sown in a hotbed or sunny window and transplanted, or sown later in the open ground. The plants flower early in the summer and keep on blooming until hard frost.

Giant Double Dahlia-flowered

Mammoth flowers average 6 inches across by 3 or 4 inches in depth, similar in shape to the decorative dahlia. 3 ft.

*3A 2814 **Canary Bird**. Clear yellow.
*3A 2815 **Crimson Monarch**. Crimson.
*3A 2817 **Dream**. Deep lavender-blue.
3A 2818 **Eldorado**. Salmon-apricot.
*3A 2820 **Exquisite**. Light rose.
3A 2821 **Golden Dawn**. Golden yellow.
*3A 2823 **Oriole**. Orange and gold.
3A 2824 **Polar Bear**. Large; pure white.
3A 2826 **Royal Purple**. Rich, regal purple.
*3A 2827 **Scarlet Flame**. Bright scarlet.

Each, pkt. 15 cts., 3 pkts. 40 cts., 1/4oz. 60 cts., oz. \$2

2829 **Mixed**. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

2972 **COLLECTION**: 6 pkts. marked * 60 cts.
2972A 1/4 oz. each, \$3.

Mammoth California Giants

Plants grow 3 feet, and the double flat blooms often average 6 inches in diameter.

3A 2837 **Brightness**. Bright pink.
3A 2838 **Cherry Queen**. Cherry-rose.
3A 2839 **Enchantress**. Light rose, deeper center.
3A 2841 **Golden Queen**. Lemon-orange.
*3A 2842 **Miss Willmott**. Soft pink.
*3A 2843 **Orange Queen**. Golden orange.
3A 2845 **Orange King**. Burnt-orange.
*3A 2846 **Purity**. Pure white.
*3A 2847 **Rose Queen**. Bright rose.
3A 2849 **Salmon Queen**. Salmon-apricot.
*3A 2850 **Scarlet Gem**. Scarlet.
*3A 2851 **Violet Queen**. Shade of violet.

Each, pkt. 15 cts., 3 pkts. 40 cts., 1/4oz. 50 cts., oz. \$1.50

2854 **Mixed**. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

3A 2973 **COLLECTION**: Pkt. each, 6 marked *, 75 cts.

Dwarf Double-flowering

For borders or cutting. 1 1/2 ft.

3A 2855 **Canary-Yellow**.
3A 2857 **Golden Orange**.
3A 2856 **Crimson**. 3A 2858 **Salmon-Rose**.
3A 2860 **Spun Gold**. Butter-yellow.
3A 2859 **Scarlet**. 3A 2861 **White**.
3A 2862 **Pinkie**. Rose-pink.
3A 2864 **Mixed**.

Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

Fantasy Zinnias

The lovely 3-inch blooms are shaggy, waved and frilled. 33-inch plants.

3A 2868 **Wildfire**. Intense scarlet.
3A 2869 **White Light**. Nearly pure white.
3A 2865 **Orange Lady**. Bright orange.
3A 2866 **Rosalie**. Bright, intense rose.
3A 2867 **Stardust**. Deep gold.

Above 5, each, pkt. 20 cts., 1/4oz. 60 cts., oz. \$2

2974 **COLLECTION**: Pkt. each 5 colors, 75 cts.

2974A 1/4oz. each, \$2.50

2874 **Fantasy, Mixed**. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Super Crown o'Gold Zinnias

3A 2833 **Crown Pastel Tints**. Each floret-base is gold, but the other halves vary; in one it is pink or in another salmon or apricot, buff, peach, white or cream. Pkt. 15 cts., 3 pkts. 40 cts., 1/4oz. 60 cts.

MIDGET ZINNIAS. A dwarf type, excellent for cut-flower purposes.

*3A 2875 **Canary Gem**
*3A 2876 **Crimson Gem**
*3A 2877 **Golden Gem**
*3A 2879 **Pink Gem**
*3A 2880 **Salmon Gem**
*3A 2881 **Scarlet Gem**
3A 2883 **White Gem**
3A 2886 **Mixed Gems**

Each, pkt. 15 cts., 3 pkts. 40 cts., 1/4oz. 50 cts., oz. \$1.50

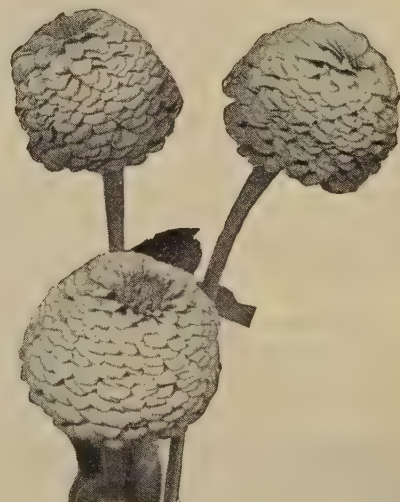
3A 2975 **COLLECTION**: Pkt. each, 6 marked *, 75 cts.

CUPID ZINNIAS. Compact plants, less than 1 foot high; covered with small, button-like flowers. Excellent for edging.
2887 **Mixed**. Pkt. 15 cts., 1/4oz. 50 cts.

Lilliput Zinnias (Pompon)

3A 2888 **Black Ruby**. Has 1 1/4-inch blooms, on long stems; their color is a deep, velvety maroon. Very striking. 15 to 18 in.

3A 2889 **Lilliput Pastel Shades**. Little ball-shaped blooms. Apricot, peach, cream, shell-pink, salmon, rose, and orchid. 1 ft.
Above, each, pkt. 15 cts., 1/4oz. 50 cts.



Lilliput Zinnia, Pastel Shades

Various Zinnias

3A 2830 **Linearis**. Growing 10 inches high and spreading 2 feet, within six weeks of sowing it is covered with medium-sized, single, daisy-like golden orange flowers.
3A 2831 **Mexican, Mixed** (*Z. Haageana*). Spreading plants with flowers suggestive of French Marigolds; some double, some single; many semi-double. Shades of yellow, red, or brown, spotted and striped.
Above, each, pkt. 15 cts., 3 pkts. 40 cts.

Scabious-flowered Zinnias

3A 2832 **Howard Created**. A mixture. Beehive-like flowers are 4 to 5 inches across, with a rounded cushion-like center, surrounded by broad, flat guard florets. A blend of charming fresh colors. 3 ft. Pkt. 15 cts., 3 pkts. 40 cts., 1/4oz. 60 cts.

Collections of Flower Seeds

These Collections are time-saving, money-saving, and dependable. The packets which comprise them are from our regular stock and of full size. The seeds they contain are of high quality. They make ideal gifts.

3A 2976 COLLECTION A \$1.00 12 Packets, Most Popular Annuals

Alyssum, Little Gem	Mignonette, Allen's Defiance
Aster, Midseason, Gt. Azure-Blue	Nasturtium, Large-flowered, Dwarf
Candytuft, Hyacinth-flowered, White	Phlox, Tall, Mixed
Cornflower, Blue Boy	Salpiglossis, Tall, Mixed
Hunnemannia (Yellow Tulip Poppy)	Shirley Poppy, Single, Mixed
Larkspur, Blue Spire	Zinnia, Dahlia-flowered, Mixed

3A 2977 COLLECTION B \$1.25 12 Packets, Annuals for Rock-Gardens

Ageratum, Blue Perfection	Ice Plant
Alyssum, White Carpet	Linum grandiflorum rubrum
Brachycome, Mixed	Lobelia, Crystal Palace
Candytuft, Crimson	Portulaca, Single, Mixed
Dianthus chinensis	Stock, Virginian, Mixed
Dimorphotheca aurantiaca	Tagetes, Little Giant

3A 2978 COLLECTION C \$1.25 12 Packets, Annuals for Shady Gardens

Alyssum, Violet Queen	Cynoglossum, Firmament
Antirrhinum majus, Mixed	Eschscholtzia, Mixed
Aster, Queen of the Market	Godetia, Azalea-fl., Carminea
Balsam, Double, Mixed	Lupinus, Annual, Mixed
Clarkia, Salmon Queen	Nicotiana, Crimson Bedder
Cornflower, Jubilee Gem	Petunia, Bedding, Mixed

3A 2979 COLLECTION E \$1.25 12 Packets, Annuals for Cut-Bloom

Antirrhinum majus, Mixed	Helichrysum, Double, Mixed
Arctotis grandis	Marigold, African, Mixed
Aster, Wilt-resistant, Late Br., Mixed	Scabiosa, Tall, Mixed
Calendula, Orange King	Stocks, Giant Imperial, Mixed
Cosmos, Early Express, Mixed	Sweet Peas, Spencer, Mixed
Gypsophila elegans alba	Zinnia, Crown o'Gold, Pastel

3A 2980 COLLECTION G \$1.75 12 Packets, Most Popular Perennials

Alyssum saxatile	Dianthus, Double Plumarius, Mixed
Aquilegia, Long-spurred, Mixed	Digitalis, Giant Shirley, Mixed
Arabis alpina	Forget-me-not, Royal Blue
Chrysanthemum, Alaska (Shasta Daisy)	Gaillardia, Giant Hybrids
Coreopsis grandiflora, Sunburst	Poppy, Oriental, Scarlet
Delphinium, Gold Medal Hybrids	Pyrethrum Hybrids, Single



3A 2981 COLLECTION H \$1.75 12 Packets, Perennials for Rock-Gardens

Alyssum, Silver Queen	Dianthus Allwoodi, Mixed
Arabis alpina rosea	Geum, Lady Stratheden
Armeria, Large-flowering Hybrids	Linum perenne, Blue
Campanula carpatica	Polyanthus, Giant, Mixed
Candytuft (<i>Iberis gibraltarica</i>)	Poppy, Iceland, Single, Mixed
Cheiranthus Allioni	Saponaria ocymoides

3A 2982 COLLECTION K \$2.00 12 Packets, Perennials for Cut-Bloom

Aquilegia coerulea	Gaillardia, The Dazzler
Aster alpinus, Mixed	Gypsophila paniculata
Campanula persicifolia, Blue	Myosotis, Blue Bird
Centaurea montana, Blue	Pyrethrum, Double Hybrids
Coreopsis grandiflora, Mayfield Giant	Scabiosa caucasica
Delphinium, Hollyhock Strain	Shasta Daisy, Giant Double



Wallflower. See page 50.

EVERLASTINGS

Flowers to be gathered in bud, hung for two months in paper-wrapped bunches to dry and make colorful winter decorations, include *Statice sinuata*. Others are *Acroclinium*, *Celosia plumosa*, *Echinops*, *Edelweiss*, *Globe Amaranth*, *Helichrysum*, *Honesty*, *Lavender*, *Physalis* and *Ornamental Grasses*.

FLOWER SEED MIXTURES

3A 2895 GRANDMA'S GARDEN of old-fashioned flowers. Over 50 of the most striking annuals. Pkt. 25 cts., 3 pkts. 60 cts., oz. \$1.

3A 2896 WILD-FLOWER MIXTURE. Seeds of native plants. No garden hybrids. Pkt. 15 cts., 3 pkts. 40 cts., oz. 60 cts., 1/4 lb. \$2, lb. \$7.50.

3A 2897 MIXED SEEDSMAN'S FLOWERS. All varieties in our establishment; mostly cultivated types. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.50.

3A 2898 ROCK-GARDEN MIXTURE. Dwarf flowers, annual and perennial, for the rock-garden. Mix seed with fine soil, 1 ounce to a pailful, and broadcast freely. Pkt. 25 cts., 3 pkts. 60 cts., oz. \$1, 1/4 lb. \$3.50, lb. \$10.

The Delightful Fragrance of an Old-World Garden

Capture it by planting Scented Geraniums. See page 24.

Also other perfumed herbs and perennials like Bee-balm, Carnation, Lavender, Lemon Verbena, the Mints, Pinks, Scabiosa, the Thymes, Woodruff.

Bulbs like Lilies, Lily-of-the-Valley, Tuberoses.

Annuals like Alyssum, Antirrhinum, Heliotrope, Mignonette, Nasturtium, Evening-scented Stock, Petunia, Sweet Sultan, Ten-weeks Stock, Tobacco.



Gather flowers daily for a continuous supply

ORNAMENTAL GRASSES

Grown for their beautiful flower panicles, which are dried for bouquets. Sow outside in May, transplant or thin out when large enough to handle. Flower-heads cut before they are ripe will keep for a long period.

3A 2902 Annual Mixed Tall.

3A 2903 Annual Mixed Dwarf.

Each, pkt. 15 cts., 3 pkts. 40 cts.

Flowering Bulbs and Roots

We supply 3 or more bulbs of a variety at the 10 rate, 25 at the 100 rate, except where stated

3002 ACIDANTHERA MURIELIAE (*Abysinian Sword Lily*). Akin to gladiolus, this is a stiff 3½-foot plant bearing open spikes of cream-white florets in August and September, each petal having a suffused pink blotch at the base. 50 cts. each, \$4.50 for 10, \$40 per 100.

AMARYLLIS. Striking bulbs for the home or window-garden; easily managed. Wonderful colors. Pot up bulbs, as soon as received, in good garden loam, enriched with a handful of fertilizer; water and store in a dark place in a temperature of 50 to 60 degrees for 4 weeks, then put in full light. May be grown outdoors in summer.

3004 Stumpp & Walter Co.'s Giant Hybrids. An excellent strain from a famous California grower, the colors comprising the best types available. Since they are grown from seed, we offer them in mixture only. 75 cts. each, \$7 for 10, \$65 per 100.

3005 Leopoldii Gold Medal Hybrids. A splendid Exhibition Strain produced in Holland, and often exhibited at the New York Flower Show. We offer the following colors: **Orange, Scarlet, Crimson, Salmon and White.** \$3.50 each, \$32.50 for 10, \$300 per 100.

3006 Halli (*Lycoris squamigera*). Produces foliage which grows until July, when it disappears. About a month later the flower-stalks spring to a height of 2 or 3 feet, developing an umbel of 8 to 12 large, lily-shaped flowers of a delicate lilac-pink shade. The bulb is perfectly hardy. Cover crown about 4 inches. \$1.50 each, \$13.50 for 10, \$130 per 100.

3007 ANEMONE, EXCELSIOR MIXTURE. Single flowers, in brilliant hues of blue, white and scarlet. Plant outdoors end of April, in well-drained soil. For greenhouse culture also. 85 cts. for 10, \$7.50 per 100.

BEGONIAS, TUBEROUS-ROOTED. See inside back cover for planting suggestions, and colored illustration of the Camellia-flowered type. We offer large bulbs 1½ inches and up. Valuable for planting in moist shaded areas. Bulbs may be lifted in autumn. Stored in a cool frost-free cellar over winter. Further cultural notes on 3d. Cover.

Double Camellia-flowered. An improved double strain which greatly resembles the camellia in form. These are most brilliant.

3012 Apricot	3016 White
3013 Scarlet	3017 Yellow
3014 Pink	3018 Mixed
3015 Crimson	

3019 COLLECTION: Five bulbs, one each of five of the above colors, our selection \$1.50.

Single Frilled and Ruffled. A pleasing variation to the plain-edged kind.

3020 Apricot	3024 White
3021 Scarlet	3025 Yellow
3022 Pink	3026 Mixed
3023 Crimson	

3028 Multiflora. Plants are covered all summer with semi-double and double flowers of great brilliance, 2 to 3 inches across. Height 15 inches. We offer a select **Mixture**, consisting of Rose-pink, Salmon-orange, Red and White.

Bulbs any of above three classes of Begonias, 35 cts. each, \$3 for 10, \$25 per 100.

CALADIUM ESCULENTUM (*Elephant's Ear*). One of the most effective plants for beds, borders or for planting out upon the lawn. Much used as border plants; their large, rich green leaves are often 4 feet

long and 2½ feet wide. Plant outdoors from May 15 on.

3037 Jumbo bulbs, 9 to 11 ins., 40 cts. each, \$3.50 for 10, \$30 per 100.

3038 Mammoth bulbs, 7 to 9 ins., 30 cts. each, \$2.25 for 10, \$18 per 100.

FANCY-LEAVED CALADIUMS. Few foliage plants equal the Fancy-leaved Caladiums in their gorgeous, yet soft, coloring. Ideal for furnishing the conservatory or home, or for outdoor bedding in semi-shady positions. Bulbs do best if started in pots, one bulb to a 6-inch pot. Plant and handle similar to indoor culture of tuberous-rooted begonias. See 3d Cover.

3039 Choice mixture of colors. 35 cts. each, \$3 for 10, \$25 per 100.

CALLAS. Plant in the open border when danger from frost is over. When tops are killed by frost, dig and store same as Gladiolus. Excellent pot-plants for the conservatory or home.

3041 Golden Yellow (*Richardia Elliottiana*). Flowers are a rich, lustrous golden hue. The foliage is dark green, with creamy white spots. 35 cts. each, \$3 for 10, \$25 per 100.

3042 Pink (*Zantedeschia Rebmanni*). A lovely dwarf Calla. Rose-pink flower, maturing cerise. Selected bulbs, 50 cts. each, \$4.50 for 10, \$40 per 100.

3043 White. First-size bulbs, 35 cts. each, \$3 for 10, \$25 per 100. Mammoth bulbs, 50 cts. each, \$4.50 for 10, \$40 per 100.

CANNAS. Roots may be planted in 4- or 5-inch pots or shallow boxes in March or April, kept in a warm light place. The started plants may be set out about May 20 to June 10 in the vicinity of New York, about 2 feet apart. Dormant roots may be planted outdoors in May.

3030 City of Portland. Deep pink.

3031 King Humbert. Flowers of gigantic size, brilliant orange-scarlet, with bright red markings. Foliage bronze. 5 ft.

3032 Richard Wallace. Yellow. Green foliage. 5 ft.

3033 The President. Rich glowing scarlet, with immense flowers 7 inches across. Foliage a rich deep green. 5 ft.

3034 Yellow Humbert. Bright yellow, flecked red. Green foliage. 5 ft.

Northern-grown roots, any of the above, 20 cts. each, \$1.60 for 10, \$13.50 per 100

HERE ARE THE CLASSES

Into which Dahlias are Grouped

Initials after each name indicate the class, thus:

F.D.—Formal Decorative. Broad rays, pointed or round tips, outer ones tending to cup. Flower somewhat regular.

I.D.—Informal Decorative. Rays long, twisted, pointed. Irregular flower.

C.—Cactus. Rays are rolled for half their length or more, and are recurved or straight.

I.C.—Incurved Cactus. Rays rolled for half their length or more, and curved toward the center.

Semi-C.—Semi-Cactus. Rays are rolled for less than half their length.



A Formal Decorative Dahlia

GIANT DOUBLE DAHLIAS

For Exhibition, Garden Display or Cut Bloom

3061 All American. Semi-C. The color is a mulberry-rose, suffused with salmon; florets are waxy yellow at the base and are somewhat twisted. Immense blooms on straight stems. \$1.50 each, \$13.50 for 10.

3060 Atomic Yellow. Semi-C. Bright yellow blooms. 10 to 12 inches across and over 6 inches in depth. Winner of medals, and on two Honor Rolls. \$10 each.

3062 Blue Bird. I.D. Large flowers of beautiful form; attractive color. Blooms freely. The nearest to blue of any Dahlia. 60 cts. each, \$5.50 for 10.

3063 Bob White. F.D. Pure white, giant flowers, full and deep, freely borne on long stems. 60 cts. each, \$5.50 for 10.

3059 Brioso. Semi-C. Brilliant red with white tips. Fine stems and foliage. Imported from Holland. \$2 each, \$18 for 10.

3064 California Idol. I.D. Giant prize-winner. Clear, bright, glistening yellow. Vigorous, healthy. \$1.25 each, \$11.25 for 10.

3065 Cardinal King. I.D. Giant deep rich cardinal-red blooms of fine form. Strong, vigorous grower. 60 cts. each, \$5.50 for 10.

3066 Class. F.D. One of the largest yellows. The petals fall back toward the stalk when fully out. \$1.50 each, \$13.50 for 10.

3067 Commando. F.D. Huge 10 to 14-inch flowers of clear true phlox-purple on long, stiff stems. \$1.50 each, \$13.50 for 10.

3068 Dixie Wine Dot. I.D. Wonderful bi-color. Flower is 10 to 12 inches across, pure white, striped with wine-red. Achievement Medal winner. \$2 each, \$18 for 10.

3058 Dr. Kenneth Taylor. I.D. Fine scarlet-red Dahlia, with bronze sheen; blooms average 8 to 9 inches in diameter. Excellent foliage. \$2.50 each, \$22.50 for 10.

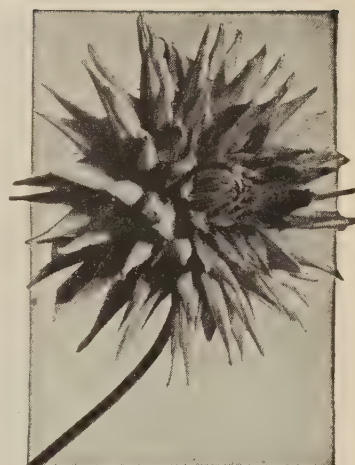
3069 Essie Smith. Semi-C. Amaranth-pink. Petals curl to the very points. One of the largest, of good substance and strong stems. \$2 each, \$18 for 10.



Incurved Cactus (I.C.)

MORE GIANT DOUBLE DAHLIAS

- 3070A **Florist's Beauty**. F.D. Bicolor: amaranth-purple and white tips. Pointed florets; stems long and perfect. Fine for the commercial grower and amateur alike. Awarded Gold Medal, Florists' Club of N. Y. \$2 each, \$18 for 10.
- 3073A **Freida Gaylord**. I.D. Massive blooms of rose-pink, with light gold shadings. Fine foliage and stems. \$3.50 each.
- 3071 **Gaylord Ballay**. I.D. A giant pure white. An outstanding variety. Enormous flowers even under only average care. \$1.50 each, \$13.50 for 10.
- 3072 **General Pershing**. I.D. Giant flower of coral and Jasper-red, with a chrome-yellow flush. Rugged grower. Scored 85 at Storrs. \$3.50 each.
- 3075 **Jane Cowl**. I.D. Massive blooms of a bronzy buff and old-gold, blending darker toward the perfect center. 60 cts. each, \$5.50 for 10.
- 3076 **Jersey's Beauty**. F.D. One of the finest true pink Decorative Dahlias yet introduced. 60 cts. each, \$5.50 for 10.
- 3077 **John A. Kernochan**. F.D. A fine bicolor; garnet-red, tipped white. Long stems. \$1.50 each, \$13.50 for 10.
- 3080 **Kirsten Flagstad**. I.D. Outstanding variety. Profuse bloomer. Very large, buff and gold flowers. \$2.50 each.
- 3081 **Lavender Queen**. F.D. Large, soft clear lavender. Free bloomer. Fine for cutting. 75 cts. each, \$6.75 for 10.
- 3083 **Marie**. F.D. Bright pink. Prolific bloomer. Good for cutting and garden decoration. 75 cts. each, \$6.75 for 10.
- 3084 **Marie Messa**. C. Charming variety, blooming very freely on long stems. Dainty light pink, lightening toward the center. Splendid cut-flower \$1.50 each, \$13.50 for 10.



Recurved or Straight Cactus (C.)

- 3086 **Miss San Diego**. I.C. Somewhat odd shape. Tyrian-pink, with thread-like markings of the same hue on the strontium yellow center florets. These are deeply laced at the tips. Large size. On all three Honor Rolls. \$3.50 each.
- 3087 **Mrs. Hester Pape**. I.D. Ten- to 14-inch flower of red-purple. A vigorous, easy grower that can be readily forced to an enormous size. Has an outstanding show record on all Honor Rolls. \$4 each.
- 3082A **Mrs. R. D. Atkinson**. I.D. Clear lemon-yellow. Good grower, with large blooms on long stiff stems. \$1.50 each, \$13.50 for 10.
- 3085A **New Look**. Semi-C. Empire-yellow blooms, 10 to 12 inches across, on long stiff stems. Five to 6 feet high, with fine foliage. Winner of many medals, and on three Honor Rolls. \$15 each.
- 3088 **Ogden Reid**. F.D. Midway between rose and salmon, blended with primrose-yellow. The center is deeper rose. Very large, 12½ inches or more across by 6½ inches deep; 3 feet, with heavy, thick foliage. \$2.50 each, \$22.50 for 10.

- 3089 **Pink Regalia**. F.D. to I.D. Lively intense pink, 7 to 9 inches. Flowers held upward and facing on splendid long stems. Ideal for garden and cut-flowers; very free blooming. \$1.50 each, \$13.50 for 10.
- 3090 **Red Champion**. I.D. Large blooms 11 by 15 inches (sometimes more). Beautiful carmine-red. 60 cts. each, \$5.50 for 10.
- 3091 **Ronny Lee**. Semi-C. Blend of scarlet-red and salmon-orange, making an effective combination; the blooms are 12 inches or more in diameter. Fine variety and a good grower. \$2 each, \$18 for 10.
- 3100 **Sheik**. Semi-C. Pink, changing to a cream-white center. Beautiful flower on a long, strong stem. Holland import. \$3 each.
- 3101 **Sherwood's Peach**. I.D. Immense blooms of orange-apricot on strong, cane-like stems. \$1.50 each, \$13.50 for 10.
- 3093 **Tuxedo**. I.D. Red with orange tips; reverse is silvery. Can be grown to 12 inches across and 6 inches deep. Stems are extra good, and the

variety is a good keeper as a cut-flower. \$2 each, \$18 for 10.

- 3094 **Vin Well Paragon**. F.D. to I.D. A gorgeous Dahlia of dainty cameo-pink with amber-yellow at base of petals. Fine long stems. \$1.50 each, \$13.50 for 10.
- 3095 **Virginia Rute**. I.D. Rich oxblood-red, with broad, pointed petals and a tight center. The flowers are held well out of the foliage on long strong stems. Fine for exhibition. \$1.50 each, \$13.50 for 10.
- 3096 **Watchung Giant**. I.D. Deep amber-yellow suffused orange-cadmium. Wins consistently. Profuse bloomer. \$1 each, \$9 for 10.
- 3097 **White Beauty**. F.D. Pure white, large-flowering Dahlia of beautiful form and good substance. Fine garden and cut-flower variety. 60 cts. each, \$5.50 for 10.
- 3098 **Yellow Queen**. I.D. Bright clear yellow of fine form. For cutting and garden. \$1 each, \$9 for 10.

COLLECTION—GIANT DOUBLE SORTS

Collection 3106 Garden Full of Dahlias \$5

List value \$13.00 for

Sold in a Collection. Each tagged with its name.

We offer these at a saving because they are kinds of which we hold large stocks, and all of them are good. It is your opportunity to become acquainted with the delights of Dahlia-growing. Enormous flowering kinds, all different, and four of them are new—colors are sparkling.

These are the varieties you get in Collection 3106

- | | |
|--------------------------------|------------------------------|
| 3062 Blue Bird . | 3083 Marie . |
| 3065 Cardinal King . | 3090 Red Champion . |
| 3067 Commando . | 3100 Sheik . |
| 3070A Florists Beauty . | 3096 Watchung Giant . |
| 3076 Jersey's Beauty . | 3097 White Beauty . |
| 3081 Lavender Queen . | 3098 Yellow Queen . |

MIXED DAHLIAS. All Giant Double Sorts

Our selection of splendid varieties in mixture. They do not have name-tags attached, but each is different, and all are large—no miniatures, pompons, or singles. At least one will be from the one dollar price group, and at least one will be a two-color novelty sort, not yet on the market.

Assortment 3107

Twelve Exhibition Dahlias un-named \$4

List value minimum \$7 for

Assortment 3108

Six Exhibition Dahlias... \$2.75

unnamed

Assortment 3108 is one-half 3107, but is otherwise identical. List value minimum \$3.50.

COLORFUL MINIATURE DAHLIAS

Flowers 3½ inches in diameter or less

All types are to be found in this section, but the plants are dwarf and the flowers are perfect gems, ideal for cut-flower purposes, borders, hedges or planting in the perennial garden. Since their height is between 1½ and 3 feet, they need no supporting stakes and may be used for bedding. Pinch them to keep the plants uniform.

- 3110 **Royal Blue**. F.D. Three-inch flowers; blue and royal purple.
- 3111 **Royal Bronze**. F.D. Blooms 3½ inches across, orange and bronze.
- 3112 **Royal Red**. F.D. Three-inch, brilliant scarlet blooms.
- 3109 **Royal Salmon-Pink**. F.D. Flowers are medium-large.
- 3113 **Royal White**. F.D. Pure white.
- 3114 **Royal Yellow**. F.D. Bright hue, edged buff.

Above 6, 90 cts. each, \$8.50 for 10

ROYAL COLLECTIONS

These Miniature Dahlias are illustrated on page 58.

- Collection 3115. 6 roots, one each (value \$5.40).....\$5 00
- Collection 3116. 12 roots, two each (value \$10.80).....9 75

- 3047 **Bishop of Llandaff**. Peony-flowered. Bright scarlet. Red-purplish foliage.
- 3046A **Buckeye Baby**. F.D. Gold-buff to bronze.
- 3048 **Dolly**. F.D. Charming light lavender.
- 3049 **Ike**. F.D. Dark red. Laced-tipped florets.
- 3052A **Jeep**. F.D. Wisteria-lavender; center dark purple.
- 3053A **Miss Innocence**. F.D. Pure white.
- 3050 **Rhodesia**. I.D. Charming salmon-pink.
- 3051 **Sylvia**. F.D. Brilliant deep red.

Above 8, 60 cts. each, \$5.50 for 10

COLLECTIONS OF MINIATURE DAHLIAS

- Collection 3054. 8 roots, 1 each of the above (value \$4.80).....\$4 00
- Collection 3055. 16 roots, 2 each of the above (value \$9.60).....7 50

Pompon Dahlias

Three-foot plants have ball-shaped flowers. Ideal for table decoration and boutonnieres.

- 3122 **Amber Queen**. Amber-yellow.
- 3123A **Betty Ann**. Dainty pink.
- 3125A **Joe Fette**. Pure white.
- 3126A **Johnny Pippin**. Dark crimson.
- 3124 **Mary Muns**. Deep lavender.
- 3127 **Yellow Gem**. Deep yellow.

Above 6 varieties, 40 cts. each, \$3.50 for 10

COLLECTION OF POMPON DAHLIAS

Collection 3128. Six roots, one each of the above (value \$2.40), for \$2.

3117 **Single Dahlias**. Plants are 5 feet high. Wonderful for cut-bloom. Sold in Mixture only, containing white, pink, red and yellow. 50 cts. each, \$4.50 for 10.

3121 **Orchid-Flowering Dahlias**. Single flowers, looking like orchids, are gracefully waved. Mixed colors. 75 cts. each, \$6.75 for 10.

GLADIOLUS *The Cream of the World's Best Varieties*



Collection of Gladiolus

CULTURE.—Any good garden soil will grow Gladioli well, provided they are planted in a sunny location. Corms should be 4 inches deep and at least 6 inches apart; frequent cultivation with a hoe or a weeder, around the base of the plant, is advisable. For best results, we recommend plants being staked when one foot high. (We offer light green dyed bamboo canes, which are excellent for this purpose.) Water if needed, and as the flower-buds begin to form, apply liquid manure for exhibition spikes.

May be planted at intervals for a succession of bloom, and those held for planting should be kept cool. Patrons who plant late for September flowers may order in the spring; we will keep corms in cold storage and ship them when required, up to July 15, which, in the latitude of New York, is the latest advisable date to plant.

From planting-date, blooms appear in 10 to 13 weeks.

We supply 25 or more corms of a variety at the 100 rate

FORTY-ONE Fine Varieties Are Described Below

And to help you make your selection, we first list them under their respective colors

APRICOT, BUFF, CREAM

Corona
Dr. Whiteley

BLUE

Abu Hassan
Blue Beauty

BLUSH WHITE

White Christmas

CREAM-WHITE

Casablanca
Leading Lady

SALMON (With decided blotch)

Beacon

SALMON-PINK

Giant Pink
Picardy

ORANGE

Gratitude
October Sunshine

PINK

Beauty's Blush
Burma
Chamouny
Connecticut Yankee
Ethel Cave-Cole
Marguerite
Rosa van Lima
Peggy Lou
Pink Radiance
Spic and Span

RED

Black Opal
Giant Red
Mansoor
Red Charm
Red Stoplight
Valeria

ART SHADE

Paul Rubens

WHITE

Giant White
Margaret Beaton
Snow Princess

LAVENDER-PINK

Elizabeth the Queen

LAVENDER

Poet's Dream

PURPLE

King Lear
Purple Supreme

YELLOW

Giant Yellow
Golden Arrow
Oregon Gold
Spotlight Yellow
White Gold

Our Gladiolus corms have been treated against thrips. Before planting it is good insurance to remove the husk and apply Spargon Gladiolus Dust, and every two weeks during growth to spray with our Thrip Spray. See pages 99, 100.

The Best Four Gladiolus

For the Home Garden

3340 Giant Red. 3341 Giant Pink.
3343 Giant White. 3342 Giant Yellow.

These are splendid varieties, large and trouble-proof. Advised for the amateur.

Above 4, 90 cts. for 10, \$7.50 per 100

3344 COLLECTION: 40 bulbs, 10 each, of the above varieties... **\$3.25**

3345 COLLECTION: 100 bulbs, 25 each..... **\$7.50**

3308 **Leading Lady.** Cream-white. Giant vigorous plant for the show table and garden decoration. Sometimes eight florets are open at one time. \$1.25 for 10, \$10 per 100.

3275 **Mansoor.** Red. Glistening blood color, with a dark silky sheen. A deep, yet shining hue. 75 cts. for 3, \$2 for 10, \$15 per 100.

3310 **Margaret Beaton.** White. Wonderful exhibition sort, nearly 6 feet tall. On the perfect spikes as many as 8 to 10 large florets will be open at once. They are snow-white, with vermillion in the throat. 80 cts. for 10, \$6 per 100.

3276 **Marguerite.** Pink. Very large spike. The color is best called watermelon-pink, while each bloom has its golden center. \$1.25 for 10, \$10 per 100.

3277 **October Sunshine.** Orange. Shaded gold. Six blooms open at once. Fine florists' variety, and good for the amateur. 80 cts. each, \$6 for 10, 3278 **Oregon Gold.** Yellow. The large frilled blooms are a light, bright hue. A striking cut-flower. 85 cts. for 10, \$7 per 100.

3279 **Paul Rubens.** Reddish Violet. Several large blooms on a tall, strong spike. Magenta cast. \$1.25 for 10, \$10 per 100.

3280 **Peggy Lou.** Pink. A deep shrimp color, with a rose-pink sheen and rose throat. It is variety No. 11 in the color-plate on the front cover. 85 cts. for 10, \$7 per 100, \$67.50 per 1000.

3317 **Picardy.** Salmon-pink. The individual flowers are delicate apricot-pink, extremely large, somewhat ruffled, and of heavy, wax-like substance. \$1 for 10, \$8 per 100.

3282 **Poet's Dream.** Lavender. A clear hue, blending to a cream-yellow throat. Beautiful as a cut-flower, it may be seen on our front cover. 85 cts. for 10, \$7 per 100, \$67.50 per 1000.

3281 **Pink Radiance.** Pink. Blooms are immense; many of them open at the same time on tall, strong plants. The color is light and clear. This outstanding variety, valuable to both the commercial grower and the home gardener, may be seen in color on the front of this book. 85 cts. for 10, \$7 per 100, \$67.50 per 1000.

3283 **Purple Supreme.** Purple. A rich, clear hue that makes it an outstanding exhibition variety. Petals are edged silver. As many as ten florets open at once. Illustrated on our front cover. 85 cts. for 10, \$7 per 100, \$67.50 per 1000.

3284 **Red Charm.** Crimson. Perhaps the best in this color group; florets are large. For exhibition, commercial and home-garden planting. \$1.25 for 10, \$10 per 100.

3285 **Red Stoplight.** Red. Ruffled florets are a perfect reddish crimson. Striking in the garden, and a favorite florists' sort. Shown on our front cover. 85 cts. for 10, \$7 per 100, \$67.50 per 1000.

3320 **Rosa van Lima.** Light pink. Pure self-colored light pink, with many flowers open at one time on fine, strong, straight stems. Shown in color on front cover. 85 cts. for 10, \$7 per 100, \$67.50 per 1000.

3322 **Snow Princess.** White. Finest new white, with a light cream throat. Large, and of splendid exhibition shape, tall and straight. Six blooms open at once. Shown on front cover. 85 cts. for 10, \$7 per 100, \$67.50 per 1000.

3286 **Spic and Span.** Deep pink. Sensational variety. Ruffled blooms are large and perfect. Fine for the florist. \$1.25 each, \$3.50 for 3, \$10 for 10.

3324 **Spotlight Yellow.** Yellow. Popular at all Gladiolus shows. Tall spikes; large, slightly waved florets. The color is deep and clear, with a fiery scarlet blotch in the throat. Shown in color on front cover. 85 cts. for 10, \$7 per 100, \$67.50 per 1000.

3327 **Valeria.** Light red. A fine self color, with many flowers open at once; extra good. It keeps well and its color stands. Shown in color on front cover. 85 cts. for 10, \$7 per 100, \$67.50 per 1000.

3287 **White Gold.** Cream-yellow, shading to gold. Very large blooms. Its color makes it an exciting variety in the garden. 80 cts. for 10, \$6 per 100.

3289 **White Christmas.** Blush-white. A rose-pink throat adds interest to the charming flower. 90 cts. for 3, \$2.25 for 10, \$17.50 per 100.

3333 **American Hybrids Mixed.** A splendid variety. The popular price warrants liberal planting. Well matured and good; excellent for cut-flower purposes or mixed borders. 75 cts. for 10, \$5.50 per 100, \$50 per 1000.

Flowering Bulbs and Roots in Colorful Variety

We supply 3 or more bulbs of a variety at the 10 rate, 25 at the 100 rate, except where stated

CHARMING MINIATURE GLADIOLI

These slender, rather dwarfier plants have much smaller and more dainty flower-spikes. Charming, they are just the thing for cor-sages, centerpieces, bud vases and general room decoration.

3260 **Pinocchio**. Orange, striped green, and yellow. 3 for 75 cts., \$2 for 10, \$15.00 per 100.

3255 **Rose Charm**. Beautiful pink. 60 cts. each, 3 for \$1.25, \$3.50 for 10, \$30 per 100.

3258 **Ruby**. Medium red. 55 cts. each, \$1.15 for 3, \$3 for 10, \$25 per 100.

3259 **Snow Baby**. Pure white. 3 for 65 cts., \$1.50 for 10, \$10 per 100.

3257 **Wedgwood**. Lavender; cream throat. \$1 each, 3 for \$2.50, \$7.50 for 10.

COLLECTIONS OF MINIATURE GLADIOLI

3263 15 bulbs, 3 each above varieties, \$5.50

3264 50 bulbs, 10 each above varieties, \$15.50

3132 GLORY LILY

Gloriosa Rothschildiana

Tuberous-rooted greenhouse climber; or may be grown outdoors, provided the roots are lifted before frost. The truly remarkable waxy, lily-like flowers are 3 inches across and have prominent curved stamens; perianth is crimson, banded with gold and near-white at the center, reflexed and waved.

Easy to grow; plant in a sunny position, and water generously in dry weather. Pinch to produce bushy plants for an unusual flower-bed. \$1.50 each, \$13.50 for 10.



Gloriosa Rothschildiana

3130 DICENTRA SPECTABILIS

Bleeding-Heart or Seal Flower

An old-fashioned favorite, with long racemes of graceful heart-shaped pink flowers that are always attractive. Clumps, 75 cts. each, \$7 for 10, \$65 per 100.

GLOXINIA

Handsome summer-blooming, tuberous-rooted plant. Ideal for pot-culture. Use care in watering and give good drainage. The cultural directions for begonias may be followed for Gloxinias. See inside back cover.

3134 **White with pink border**.

3135 **Scarlet, with white border**.

3136 **Violet with white border**.

3137 **Light red**.

3138 **White**.

3139 **Purple-blue**.

3140 **Crimson**.

3141 **Spotted; various colors**.

3142 **Choice Mixed**.

Any of above, 45 cts. each, \$4 for 10, \$30 per 100

HYACINTHUS CANDICANS

3145 Luxuriant, free-growing summer-flowering plant; spreads 2 to 3 feet, throwing up 4-foot spikes, each bearing large, white, bell-shaped flowers. Choice bulbs, 3 for 75 cts., \$1.75 per doz., \$15 per 100.

3147 MADEIRA VINE

Climbing Mignonette. Will cover a large space in a short time. Fleshy heart-shaped leaves, and racemes of feathery fragrant flowers. Protect with litter in winter. 3 for 50 cts., \$1.25 for 10, \$10 per 100.

MONTBRETIA

This delightful bulbous plant blooms from July until frost and is excellent for cutting. Bulbs should be planted outdoors during April and May. They require a protection over winter of leaves or litter.

3149 **Apricot Queen**. Rich golden apricot. Early. Strong grower. 3 ft.

3150 **Comet**. Large, star-shaped flower of fine substance, rich deep golden orange, with a broad band of blood-crimson and a yellow center. Dark stems. 2½ ft.

3151 **His Majesty**. A glorious variety. Flowers measure 4 inches across, deep velvety scarlet shading to gold; reverse of petals is crimson shading to gold. 4 ft.

3152 **James Coey**. Large flowers of rich vermilion suffused with golden orange; yellow center with crimson blotches. 3 ft.

3153 **Lady Wilson**. Large, bright yellow flowers with an orange sheen. 3½ ft.

3154 **Red Knight**. Large star-shaped flowers of rich vermilion, shading to gold at center, heavily overlaid with maroon; reverse of petals crimson and orange. 3 ft.

Each of above, 3 for 75 cts., \$1.75 for 10, \$16 per 100

Four Fine Standard Varieties

3155 **California**. Deep golden yellow.

3156 **Fire King**. Glowing scarlet.

3157 **Talisman**. Deep orange.

3158 **Transcendent**. Orange-scarlet.

3159 **S. & W. Co.'s Jewel Mixture**. Contains yellows, oranges, apricots and scarlets; many flowers are blotched.

Above 5, 3 for 50 cts., \$1.25 for 10, \$10 per 100

OXALIS

Excellent summer-blooming bulb; fine for edging the borders of walks or flower-beds.

3235 **American Shamrock**. Pink flowers; clover-like leaves spotted maroon.

3236 **Deppei alba**. Small white flowers. Has mostly four-leaved-clover-like foliage. Ideal companion to American Shamrock.

Above 2, 45 cts. for 10, \$4 per 100, \$30 per 1000

RANUNCULUS · Buttercup

3240 **Tecolote Mixed**. Giant double and semi-double flowers in orange, red, yellow, and pink. Plant during May; north of Washington they require a winter mulch. 85 cts. for 10, \$7.50 per 100.

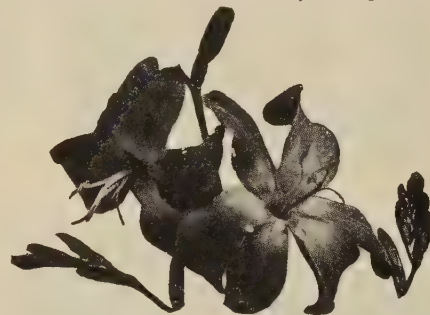
3376 TIGRIDIA

Mexican Shellflower

This grows well in the open ground in summer as far north as New England. Illustrated in color on page 58.

CULTURE.—Give the bulbs the same treatment as gladiolus; that is, plant them 4 inches deep and at least 6 inches apart, any time after May 15. The plant thrives in a sunny situation but needs an abundance of water.

Our improved strain is a mixture including a wide range of colors—white with spotted cup, white with rose sheen, rose, yellow with suffusion of red, yellow with spotted cup, and brilliant scarlet. 85 cts. for 10, \$7.50 per 100.



Montbretia, His Majesty

TUBEROSES

Delightfully fragrant and beautiful. By skillful management a succession may be obtained the year round. For early flowers they can be started from February to April in the greenhouse or hotbed. For flowering later in the open, plant in May and June.

3244 **Excelsior Double Pearl**. White; double-flowering. Selected Bulbs, 15 cts. each, \$1.25 for 10, \$11.50 per 100.

3245 **Single Mexican**. Charming single form. 15 cts. each, \$1.25 for 10, \$11.50 per 100.

ZEPHYRANTHES

These are very useful for the open border. They are easily managed, requiring the same treatment as the gladiolus, and can be planted at the same time, but more closely.

3247 **Candida**. Pure white; flower is very beautiful. A profuse bloomer. \$1 for 10, \$9 per 100.

3248 **Rosea**. Beautiful clear rose; flowers large and handsome. \$1 for 10, \$9 per 100.

HARDY LILIES—Exclamation Points of Garden Beauty

Lilies are so beautiful, and many so fragrant, that you may think them hard to grow, but most of the following varieties are easy.

Generally, they are best planted where their roots will be in shadow and their stems and leaves in full light. Ideal positions are amid shrubs or in the annual or perennial border, or in the companionship of ground-cover. Any good garden soil will serve, provided it drains well. Spade the land to a depth of 18 inches and work in General Garden Fertilizer; plant the bulbs in groups of three or more of a kind,

setting them on a 1-inch layer of sand to provide adequate drainage.

Many Lilies are "stem-rooters," that is, they develop roots on the stem above the bulb, in addition to roots below the bulb. Other kinds are "basal-rooters," depending on roots below the bulb only. Stem-rooters are planted deep enough that the top of the bulb is covered by a thickness of soil twice the size of the bulb, from base on top; basal-rooters are planted shallow, overlaid by soil equal to one-half the size of the bulb.

4A 3171 Auratum. Stately Lilies growing 3 to 6 feet high. One plant bears twenty or more large, fragrant flowers 8 to 10 inches in diameter, in August. White spotted deep red, with a bright yellow band running through the center of each petal. Plant 9 to 12 inches deep. Stem-rooting. 75 cts. each, \$6.50 for 10, \$60 per 100.

4A 3174 Canadense rubrum. Giant sprays of nodding bell-like orange-red blooms on 3- to 5-foot stems in July. Stem-rooting. Plant 8 inches deep in full sun or light shade. 45 cts. each, \$3.50 for 10, \$30 per 100.

4A 3168 Henryi (Yellow Speciosum). Vigorous, 6 to 8 feet high, with bright apricot-yellow flowers (more than twenty on a plant) in July and August. Plant 8 inches deep. 55 cts. each, \$4.50 for 10, \$40 per 100.

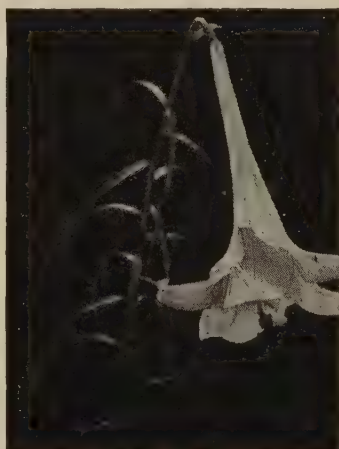
4A 3169 Longiflorum Estate (Hardy Easter Lily). A splendid variety for garden planting. A pure white, large trumpet Lily, perfectly hardy, frequently bearing five to seven flowers on a single stem. Blooms in early August. Height 4 to 5 feet. 75 cts. each, \$6.50 for 10, \$60 per 100.

4A 3173 Maxwell. A hybrid between *Lilium Maximowiczii* and *L. Willmottiae*. Strong, 6-foot stems carry 30 or more recurved blooms, bright red with orange stamens. Flowers in late July. Plant 8 inches deep. 65 cts. each, \$5.50 for 10, \$50 per 100.

4A 3188 Orange Triumph. One of the newer Lilies, a cross between *Lilium umbellatum* and *L. croceum*. Brilliant orange, chalice-like blooms are borne freely on 3½-foot stems. Like *Umbellatum*, it blooms in June. Plant 4 to 6 inches deep. 55 cts. each, \$4.50 for 10, \$40 per 100.

3187 Pardalinum giganteum (Sunset or Panther Lily). Will thrive in sun or shade. A strong, 5- to 6-foot stem carries a dozen or more handsome flowers in July. They have recurved petals, bright scarlet and yellow spotted rich brown. Plant 6 to 8 inches deep. 55 cts. each, \$4.50 for 10, \$40 per 100.

3170 Philippinense formosanum. A slender, graceful trumpet Lily growing 3 to 4 feet high. The flower is pure white with an emerald-green throat shaded outside with violet. Delicious fragrance. It will begin blooming in August and continue until frost. Plant 4 to 5 inches deep. 45 cts. each, \$3.50 for 10, \$30 per 100.



Lilium philippinense formosanum

COLD STORAGE BULBS

For planting in your greenhouse by July 1 for Thanksgiving and Christmas blooming:

Selected Large Bulbs

- 4A 3206 Lilium auratum.** Per case of 50 bulbs, \$45.
4A 3207 Lilium speciosum magnificum (rubrum). Per case of 50 bulbs, \$45.
4A 3208 Lilium Henryi. Per case of 50 bulbs, \$30.

LILY-OF-THE-VALLEY

Dainty perennial, much valued for its pure white fragrant flowers in spring. It is hardy, very easily grown, preferring partial shade and rich soil.

4A 3210 For outdoor planting we recommend the use of individual roots or "pips," rather than clumps. They should be two years old, and may be set out at intervals of 4 inches each way. We offer: 10 pips 75 cts., 25 pips \$1.75, 100 pips \$6.

3211 For growing indoors, in the greenhouse or home: specially fine refrigerated forcing pips. 5 pips 90 cts., 10 pips \$1.75, 25 pips \$4.25, 100 pips \$16.

Regale (Royal Lily). Enormous alabaster trumpets are tinged with rose outside and suffused with gold within. Stem-rooting; plant 6 to 8 inches deep in good well-drained soil. Grows 4 to 6 feet tall. July.

	Each	10	100
3164 First size.....	\$0 35	\$2 50	\$20 00
3165 Mammoth.....	45	3 50	30 00
3166 Jumbo Bulbs...	60	5 00	45 00
3167 Monster.....	70	6 00	55 00

BIGGEST REGALE LILIES

Special. We have a limited stock of extra large bulbs:

3163 Mastodon size, 10 to 11 inches in circumference, 90 cts. each, \$8 for 10, \$75 per 100.

3162 Speciosum rubrum (Pink Orchid Lily; Oriental Orchid). Frosted white, spotted, clouded and bordered with crimson. Broad, waved petals, strongly recurved. Blooms outside in August. One of the handsomest of garden Lilies, doing well in part shade and lasting many years. 4 to 5 ft. 75 cts. each, \$6.50 for 10, \$60 per 100.

4A 3179 Superbum (Turk's-Cap Lily). It grows 5 to 8 feet high, with an immense cluster of brilliant orange-red, turban-shaped flowers, yellowish inside and spotted brown. Plant 6 inches deep in well-drained, slightly acid, or neutral soil; best in partial shade. Blooms in July. 35 cts. each, \$2.50 for 10, \$20 per 100.

4A 3180 Tenuifolium (Coral Lily). Graceful Lily, with thread-like leaves and clusters of nodding, tiny, bell-like, recurved flowers of brilliant coral-red in June. Height 1 to 2 feet. Likes damp soil among rocks, with access to sunlight. Plant 6 inches deep. 35 cts. each, \$2.50 for 10, \$20 per 100.

4A 3181 Tenuifolium, Golden Gleam. Beautiful golden yellow form of the preceding. Blooms at the same time. 45 cts. each, \$3.50 for 10, \$30 per 100.

4A 3182 Tigrinum splendens. The Tiger Lily is well known; showy, spotted red-orange flowers in August. 4 to 5 ft. Easy to grow, thriving in full sun in any soil. Plant 6 inches deep. 45 cts. each, \$3.50 for 10, \$30 per 100.

4A 3183 Tigrinum flore-pleno. The double Tiger Lily is even showier and more handsome. 45 cts. each, \$3.50 for 10, \$30 per 100.

3184 Umbellatum. Vivid orange-scarlet flowers held upright on 2-foot stems are borne in June. Plant 4 to 6 inches deep, in full sunlight. 60 cts. each, \$5 for 10, \$45 per 100.

3185 Umbellatum, Golden Fleece. The yellow form of the above. 60 cts. each, \$5 for 10, \$45 per 100.

3186 Willmottiae. The 3½-foot stem bears in August up to twenty brilliant orange-red flowers, measuring 3 inches across, with recurved petals dotted brown. Needs staking. Plant 8 inches deep. 55 cts. each, \$4.50 for 10, \$40 per 100.



Lilium tigrinum splendens

EIGHT BEAUTIFUL LILIES TO PLANT THIS SPRING



LILIAM Henryi (Henry's Lily)
6 to 8 ft.



LILIAM regale (Royal Lily)
4 to 6 ft.



LILIAM tenuifolium (Coral Lily).
1 to 2 ft.



LILIAM speciosum rubrum (Orchid Lily)
4 to 5 ft.



LILIAM auratum (Goldband Lily)
3 to 6 ft.

	Each	10	100
Henryi. Tolerates lime. Plant 8 in. deep.....	\$0 55	\$4 50	\$40 00
Speciosum rubrum. Dislikes lime. Plant 6 in. deep.....	75	6 50	60 00
Regale. Tolerates lime. Plant 6 in. deep.....			
First size.....	35	2 50	20 00
Mammoth.....	45	3 50	30 00
Jumbo.....	60	5 00	45 00
Monster.....	70	6 00	55 00
Auratum. Dislikes lime. Plant 8 in. deep.....	75	6 50	60 00
Tenuifolium. Dislikes lime. Plant 3 in. deep.....	35	2 50	20 00
Umbellatum. Flowers are upright. Plant 5 in. deep.....	60	5 00	45 00
Pardalinum. Likes moisture. Plant 6 in. deep.....	55	4 50	40 00
Longiflorum Estate. Tolerates lime. Plant 6 in. deep.....	75	6 50	60 00

These are among the Easiest Lilies to Grow



LILIAM umbellatum (Candlestick Lily)
2 ft.



LILIAM pardalinum (Panther Lily)
4 to 6 ft.



LILIAM longiflorum Estate (Hardy Easter Lily)
4 to 5 ft.

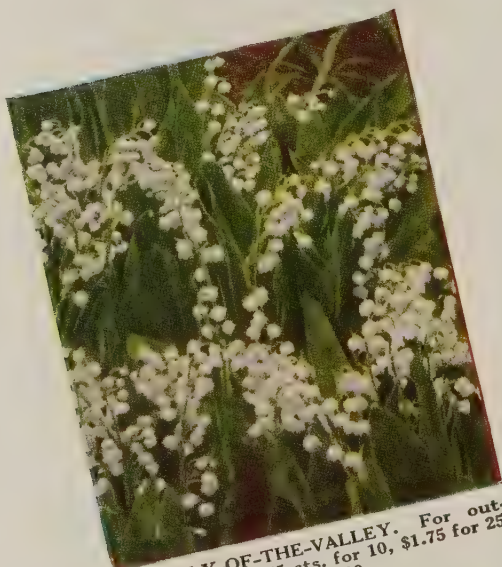
ROYAL MINIATURE DAHLIAS

At most 3 ft. high, they need no stakes. Plant them in beds or borders, and pinch to keep them uniform. Charming perfect flowers of the Formal Decorative type are $3\frac{1}{2}$ inches or less in diameter—ideal for room decoration.

- | | |
|-------------------------|--------------------|
| 3109. Royal Salmon-Pink | 3112. Royal Red |
| 3110. Royal Blue | 3113. Royal White |
| 3111. Royal Bronze | 3114. Royal Yellow |

Roots of the above, 90 cts. each, \$8.50 for 10

COLLECTIONS: 3115. 6 roots, one each, \$5
3116. 12 roots, two each, \$9.75



3210. LILY-OF-THE-VALLEY. For out-door planting. 75 cts. for 10, \$1.75 for 25, \$6 per 100



3130. BLEEDING-HEART. 75 cts. each, \$7 for 10, \$65 per 100



3376. MEXICAN SHELLFLOWER (Tigridia). 85 cts. for 10, \$7.50 per 100

3244. PEARL TUBEROSE. 15 cts. each, \$1.25 for 10, \$11.50 per 100





HEART'S DESIRE

We Recommend These ROSES

Everblooming—Guaranteed—Large Flowers

Left, 5 GRAND VARIETIES

**Heart's Desire. Patent 501. Bright red.....	Each \$1 50	3 \$4 15	Doz. \$15 00
**Shangri-La. Patent 665. Blushing salmon-rose.....	1 50	4 15	15 00
*Sleigh Bells. Patent applied for. Large, chaste white.....	2 00	5 50	20 00
**California Centennial. Propagation rights reserved. Velvety crimson.....	2 00	5 50	20 00
*Peace. Patent 591. Cream-gold, edged pink.....	2 00	5 50	20 00

COLLECTION B: 5 bushes, one each above, \$8.00

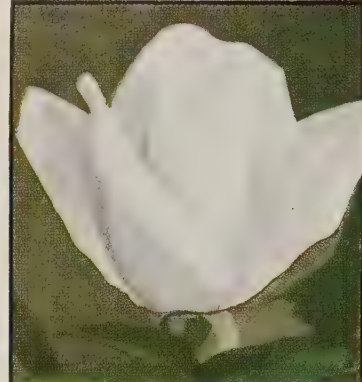
Right, 5 MUCH-WANTED VARIETIES, PLUS CRIMSON GLORY Below, Six in All

*Mme. Jules Bouche. Splendid white.....	Each \$1 25	3 \$3 50	Doz. \$12 50
Contrast. Bronze, pink and white....	1 25	3 50	12 50
Mrs. E. P. Thom. Pure deep yellow	1 25	3 50	12 50
*Condesa de Sastago. Two-tone red and yellow.....	1 25	3 50	12 50
*Mme. Chiang Kai-shek. Patent 664. Light yellow.....	1 50	4 15	15 00
**Crimson Glory. Patent 105. Crimson-scarlet.....	1 50	4 15	15 00

COLLECTION C: 6 bushes, one each above, \$7.00

WE GUARANTEE our Roses to reach you in good condition and to live; we will replace without charge any that may not be alive two months after you purchase them.

Sorts marked * have a pronounced perfume, and those marked ** even more so.



MME. JULES BOUCHE



SHANGRI-LA



CONTRAST



SLEIGH BELLS



MRS. E. P. THOM



CALIFORNIA CENTENNIAL



CONDESA DE SASTAGO



PEACE



CRIMSON GLORY



MME. CHIANG KAI-SHEK

Roses on this page are dormant and are available from March 1 to May 10.

From the trial grounds of our foremost
growers come these sensational

NEW ROSES

Worthy additions to your Rose Garden; you'll want to set out all
five this spring . . . The kind that provide a profusion of cut blooms
from June to frost.



****TOM BRENEMAN**
\$2 each, \$5.50 for 3,
\$20 per doz.

BABE RUTH
\$2 each, \$5.50 for 3,
\$20 per doz.



*These Roses are dor-
mant and are available
from March 1 to May 10.*



****SUTTER'S GOLD**
Patent 885. \$2.50
each, \$6.75 for 3,
\$25 per doz.

COLLECTIONS

COLLECTION A
5 bushes, one each of these
up-to-the-minute **\$10.50**
Roses. . . .

COLLECTION A3
15 bushes, three **\$30.75**
of each. . . .

*Sorts marked *
have a pronounced
perfume, and
those marked **
even more so.*

WE GUARANTEE our
Roses to reach you in good
condition and to live; we
will replace without charge
any that may not be alive
two months after you pur-
chase them.

***MISSION BELLS**
Patent applied for.
\$2.50 each, \$6.75 for
3, \$25 per doz.



***CAPISTRANO**
Patent applied for.
\$2.50 each, \$6.75 for
3, \$25 per doz.



S. & W. CO.'S GUARANTEED EVERBLOOMING ROSES (Hybrid-Tea-scented)

OUTSTANDING VARIETIES

At prices which justify extensive planting. Specially selected for quantity and quality of bloom and resistance to disease. All are guaranteed.

Re-selected from No. 1 grade plants, these are the best obtainable. These healthier plants will show superior quality in your garden. They are dormant and are available from March 1 to May 10.

Anzac. Patent 636. The flowers are coral-rose with a golden yellow sheen at the base of the petals. 50 petals. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

***Apricot Queen.** Patent 464. Strong-growing, with shiny, leathery foliage. The long-pointed bud opens to a flower with petals of orange and apricot at the base, merging to salmon-rose and phlox-pink. 45 petals. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

BABE RUTH. Heavy-petaled, copper-salmon buds develop into large, ovoid flowers, the color changing to rose-pink as the petals fold back and the flower reaches its zenith. \$2 each, \$5.50 for 3, \$20 per doz.

Butterscotch. Patent 613. Vigorous plant with shining leathery foliage; orange blotched with jasper-red. 25 to 30 petals. \$1.50 each, \$4.15 for 3, \$15 per doz.

****California.** Patent 449. Vigorous plants. Long, pointed bud opens to an enormous flower, 5 to 6 inches across. Ruddy orange, toned saffron-yellow, overlaid rose. Rich fruit fragrance. 30 petals. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

****California Centennial.** Propagation rights reserved. On very long stems are large, scented blooms of rich velvety crimson. They are carried, crop after crop, through a long season; almost devoid of thorns. \$2 each, \$5.50 for 3, \$20 per doz.

****CAPISTRANO.** Patent applied for. Vigorous and sturdy. Unusually large buds and flowers with rich and heavy fragrance. Extra-long stems. The open flowers are sometimes 6 inches across, with 36 heavily textured petals. The color is a rich shade of deep, glowing rose-pink. Beautiful, leathery foliage. \$2.50 each, \$6.75 for 3, \$25 per doz.

***Christopher Stone.** A large, loose flower of rich crimson-scarlet. Delicious Damask fragrance. Splendid, healthy plant. 30 petals. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

***Condesa de Sastago.** Two-tone flowers—red on inside of petals and yellow on the reverse. Foliage heavy, glossy and dark green. 50 petals. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

Contrast. The vigorous, bushy, compact plant produces fine pointed buds on long stems. Handsome flowers are a combination of China-pink, white and bronze. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

***Crimson Glory.** Patent 195. Splendidly formed velvety crimson flowers with scarlet tones in summer and blackish shades in fall. 30 petals. \$1.50 each, \$4.15 for 3, \$15 per doz.

***Douglas MacArthur.** Patent 581. A leader among Roses, vigorous and free-blooming. Foliage is dark green, and rose, gold and salmon are blended into the flower. 24 petals. \$1.50 each, \$4.15 for 3, \$15 per doz.

Edith Nellie Perkins. Long-pointed coppery buds open to high-centered flowers of soft salmon-pink inside, with a coppery rose reverse; mild scent. Strong, healthy plants. 40 petals. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

Edith Willkie. Patent 500. Pointed buds open to large, livid pink blooms with light jasper-red centers; each has a chrome-yellow base and veins. Vigorous bush with leathery foliage; stems are long and strong. 25 to 30 petals. \$1.50 each, \$4.15 for 3, \$15 per doz.

***Etoile de Hollande.** Long-pointed buds open to broad-petaled crimson blooms. Intensely fragrant; plants very strong. 35 petals. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

Forty-niner. Patent 792. Beautiful contrasting bicolor flowers, chrome-yellow on the outside and orient-red within. The long, pointed buds, mostly yellow at first, disclose the bicolor feature as they open. Vigorous bush. 30 petals. \$2.50 each, \$6.75 for 3, \$25 per doz.

YOUR PURCHASE IS INSURED; we will replace any Roses that may not be alive two months after purchase

COLLECTIONS OF PRIZE ROSES

Collection A: 5 latest Roses, shown in color on page 60.....\$10.50

Collection A3: 15 latest Roses, three each of five varieties, shown on page 60.....\$30.75

Collection B: 5 new Roses, shown in color on page 59.....\$8.00

Collection C: 6 proven Roses, shown on page 59.....\$7.00

Collection D1: 5 Floribunda Roses, pictured on back cover.....\$6.75

Collection D3: 15 Floribunda Roses, three each of five varieties, see back cover.....\$20.00

****Golden Dawn.** Spreading plant with profuse, disease-resistant foliage. Fat buds open to large, double blooms of lemon or straw-yellow, with rich tea fragrance. 45 petals. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

***Grande Duchesse Charlotte.** Patent 774. The long, pointed, chestnut-colored bud opens into a very large, full Rose of tomato-red. The stems are long and strong; the plant is vigorous, with large, shining leaves. \$1.50 each, \$4.15 for 3, \$15 per doz.

***Heart's Desire.** Patent 501. Long, bright red. 25 petals. \$1.50 each, \$4.15 for 3, \$15 per doz.

***Joanna Hill.** Moderately fragrant. Orange in center, cream at edges. 40 petals. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

***Kaiserin Auguste Viktoria.** High-centered, fragrant blooms of snow-white. 100 petals. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

Lowell Thomas. Patent 595. Long-pointed buds are produced freely, and they open to large double blooms of clear canary-yellow. Good bush, with leathery foliage. 35 to 40 petals. \$1.50 each, \$4.15 for 3, \$15 per doz.

Margaret McGredy. Large flowers of orange-scarlet, with a fiery sheen. 40 petals. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

BROWNELL SUB-ZERO ROSES

Raised at Little Compton, Rhode Island, under very severe climatic conditions. They withstand the coldest U. S. winters.

Everblooming Hybrid Teas

Curly Pink. Unmatched for size and beauty of the bloom-clusters. Individually the Roses are large, but many are two-toned, showing several hues of pink in a single-stem bouquet. Vigorous plant; exceptionally hardy.

***Red Duchess.** Charming, brilliant rose-red blooms, alluringly fragrant. Robust plant; exceptionally hardy.

***V for Victory.** Beautiful, very double, deep yellow, fragrant, long-lasting Roses. Sturdy plant; exceptionally hardy.

Above 3, dormant plants only, \$1.75 each, \$5 for 3, \$18 per doz.

MISSION BELLS. Patent applied for. A beautiful deep salmon-pink, opening to a clear shrimp-pink. The vigorous, heavily branching plants have attractive coppery green foliage. Long-pointed buds; full-centered flowers often measure 5½ inches. The color deepens in cool weather and does not fade. 40 petals. \$2.50 each, \$6.75 for 3, \$25 per doz.

***Mme. Chiang Kai-shek.** Patent 664. The honor Rose, named for the first lady of China, and the loveliest of all yellow Roses. 24 to 30 petals. \$1.50 each, \$4.15 for 3, \$15 per doz.

***Mme. Jules Bouche.** A splendid white. Long-pointed, shapely buds. 34 petals. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

Mrs. E. P. Thom. Nice, yellow buds opening to unfading yellow flowers. Mild scent. Keep sprayed or dusted, 40 petals. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

****Mrs. Pierre S. du Pont.** Deep golden yellow. Highly attractive; rich fragrance. 40 petals. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

***Peace.** Patent 591. The ovoid buds are handsome golden yellow and pink, and they open to enormous flowers, often 5 inches across; cream-gold, with petals edged pink. 40 to 45 petals. \$2 each, \$5.50 for 3, \$20 per doz.

Pearl Harbor. Patent 637. The Memory Rose. Buds are Tyrian-pink; flower is shell-pink shaded gold-bronze. Practically no thorns. 24 petals. \$1.50 each, \$4.15 for 3, \$15 per doz.

****Pink Radiance.** Rich old-time Rose fragrance. The world's favorite pink. 23 petals. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

***President Herbert Hoover.** Mixture of scarlet, yellow, cerise and flame. 25 petals. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

****Red Radiance.** Richly fragrant. Large cerise-red blooms. Deservedly popular. 23 petals. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

***Santa Anita.** Patent 539. High-centered blooms of deep pink are produced all summer when most Roses are resting. 20 petals. \$1.50 each, \$4.15 for 3, \$15 per doz.

****Shangri-La.** Patent 665. Large, fragrant, high-centered flowers combining blush-color, salmon, and rose. Fresh and delightful. Good in foliage and growth. 35 petals. \$1.50 each, \$4.15 for 3, \$15 per doz.

***Sleigh Bells.** Patent applied for. The most beautiful white Rose; large, sweetly fragrant. Leathery, glossy leaves, highly resistant to disease. 40 petals. \$2 each, \$5.50 for 3, \$20 per doz.

****SUTTER'S GOLD.** Patent 885. Long-pointed, bright yellow buds, richly shaded orange and red. Lovely high center of about 30 crisp, heavily-textured petals, and it possesses a fragrance unequaled in any other yellow Rose. \$2.50 each, \$6.75 for 3, \$25 per doz.

***Talisman.** Mixture of red, orange, pink and bright yellow. Vigorous growth; husky foliage. 25 petals. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

***Tallyho.** Patent 828. A soft, pleasing, blended bicolor. The primary hue is crimson-cardinal, with pink on the inner side of the petals. 28 petals. \$2.50 each, \$6.75 for 3, \$25 per doz.

Texas Centennial. Patent 162. Color is blood-red with some gold, turning to cerise-red in center. A prize-winner. \$1.50 each, \$4.15 for 3, \$15 per doz.

***The Doctor.** Flowers are enormous; they are cupped and semi-double. Color is a charming satiny pink. Bushy plant is vigorous. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

****TOM BRENNEMAN.** The happiness, laughter and gaiety that Tom Breneman brought to the world over the radio is exemplified in this new Rose. The long, coral-rose buds expand slowly into beautiful, long-lasting flowers. \$2 each, \$5.50 for 3, \$20 per doz.

****Will Rogers.** Patent 256. Velvety maroon-crimson, very double blooms. Beautiful variety that is good for a slightly shaded situation, because all-day sun tends to lighten the color somewhat. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

Floribunda Roses

A medium to large-flowered group derived from *Rosa multiflora nana*. Extremely hardy, vigorous and continuously full of bloom; splendid for a good effect in the garden, because always they are aglow with color from June to frost. Ideal for mass planting, for landscape effects, in individual beds, for hedges or amid your shrubs. Perfect cut-flowers also.

Cecile Brunner (The Sweetheart Rose). Clusters of dainty, medium-sized, very double flowers of soft pink and yellow. Height 1½ ft. \$1.50 each, \$4.15 for 3, \$15 per doz., \$115 per 100.

Crimson Rosette. Patent 901. Clusters of brilliant crimson Roses cover the dark green, heavily foliated bushes in a continuous display. The medium-sized, 50-petaled buds expand slowly, finally culminating in exquisitely formed open flowers like vivid red plush. \$1.50 each, \$4.15 for 3, \$15 per doz., \$115 per 100.

***Fashion**. Patent 789. A new Floribunda of great charm. Soft peach color; exquisitely formed buds. Old-Rose fragrance. Bushy, vigorous plant. 21 to 25 petals. \$2 each, \$5.50 for 3, \$20 per doz., \$155 per 100.

Glorious. Patent applied for. Bushes are extremely vigorous and are literally covered with numerous deep vermillion buds. These mature into large, semi-double Tyrian-rose blooms. \$1.25 each, \$3.50 for 3, \$12.50 per doz., \$95 per 100.

****Goldilocks**. Patent 672. Rich gold, the plant suggesting a splash of sunlight in the garden. Ovoid buds open to perfect 3½-inch blooms. Height 2½ ft. \$1.50 each, \$4.15 for 3, \$15 per doz., \$115 per 100.

***Ming Toy**. Clusters of small, very double, deep rose-pink flowers. Long-pointed in the bud stage. Dark, leathery foliage. Blooms profusely. \$1.25 each, \$3.50 for 3, \$12.50 per doz., \$95 per 100.

Pink Rosette. Patent 902. Sprays of streamlined, pure peach-pink buds unfold to open flowers of perfect proportion and form. 50 petals. \$1.50 each, \$4.15 for 3, \$15 per doz., \$115 per 100.

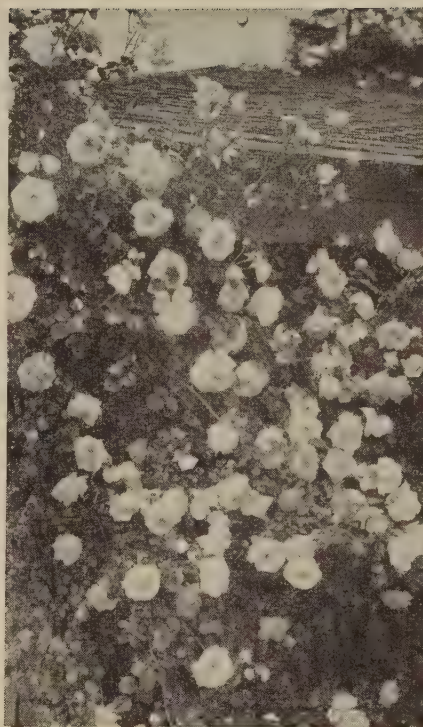
Pinocchio. Patent 484. The semi-double blooms are quite like those of an everblooming Rose, with salmon buds, flushed gold; they change to soft clear pink as the flowers open. Height 2 ft. 30 petals. \$1.50 each, \$4.15 for 3, \$15 per doz., \$115 per 100.

***Summer Snow**. Patent 416. Masses of immaculate snow-white trusses. Blooms are sweetly fragrant and 3½ inches across. Height 2 ft. \$1 each, \$2.75 for 3, \$10 per doz., \$77.50 per 100.

See the 5 Charming Floribunda
Roses on the back cover



Rose, Fashion



Rose, Climbing Mary Wallace

A Remontant Rose

An outstanding Hybrid Perpetual (H.P.) variety. Blooms in June; often with an occasional Rose in autumn. Height about 3 feet.

Frau Karl Druschki. Very large, snow-white flowers. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

Three Miniature or Thimble Roses

Something different for the rose-lover. Plant these hardy subjects in a rock-garden, bed, rose-border, or in a special children's garden. You can make the tiny flowers into miniature bouquets for the invalid's tray; construct earrings or finger-rings with them; decorate the hair with them, or use them with place-cards or in finger-bowls.

Rouletti (The Fairy Rose). The plant grows 9 inches high at most, and the pink, semi-double flowers are just as dainty.

***Sweet Fairy**. Propagation rights reserved. Blooms are only 1 inch across, apple-blossom-pink and truly double. Definitely fragrant.

Tom Thumb. Patent 169. Deep carmine. Tiny buds open to blooms the size of a dime and show small white centers. Height 4 to 6 inches.

Above, pot-grown, available April 15,
\$1 each, \$2.75 for 3, \$10 per doz.

COLLECTION E: 1 each, above 3 varieties, \$2.75.

TO HELP YOU CHOOSE

Everyone enjoys the *scent* of Roses, and all our everblooming varieties are fragrant; sorts marked * have a pronounced perfume, and those marked ** even more so.

The *number of petals* indicates the *doubleness* of a Rose; one with 17 is a semi-double bloom; one with 100 petals is heavy and tight.

Roses do not necessarily require a clay soil; a medium loam is better. In fact, they will grow in almost any kind provided it is rich, retains moisture yet drains well.

**YOUR PURCHASE IS INSURED; we
will replace any Roses that may not be
alive two months after purchase.**

Climbing Roses for Fence, Trellis or Post

Climbing Roses may be trained over an arch, draped around posts, or festooned from one post to another. Planted on steep slopes, and pegged down, they hold the soil against erosion. They require no pruning in the spring except the cutting out of very old or dead wood, and the shortening of the laterals and long canes to make the growth conform to the space to be covered; but prune severely in July, directly after they have finished flowering.

***Blaze**. Patent 10. Spectacular blazing red blooms, flowering profusely in early summer and some later blooms. \$1.50 each, \$4.15 for 3, \$15 per doz.

***Climbing American Beauty**. A pleasing rose-pink. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

Dr. W. Van Fleet. The long, pointed buds are of a rich flesh-pink. This is the easiest to grow and the most satisfactory of all the light pink climbing Roses and the plants are especially vigorous. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

***Easlea's Golden Rambler**. Patent 114. Clusters of large, chrome-yellow and maddery orange blooms. 35 petals. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

Mary Wallace. Large, rose-pink flowers. \$1.50 each, \$4.15 for 3, \$15 per doz.

New Dawn (The Everblooming Dr. W. Van Fleet). Really the most satisfactory Climber introduced. Flesh-pink in color. \$1.50 each, \$4.15 for 3, \$15 per doz.

Paul's Scarlet Climber. A vivid scarlet which does not bleach or fade. Established plants often repeat several times during the season. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

***Primrose**. A real hardy yellow Rambler. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

Prosperity. Vigorous pillar Rose with striking glossy foliage that is effective all season. Large and long-stemmed clusters of beautiful white blooms in June. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

Shrubbery Roses

Will bloom this summer. Average height about 4 feet.

F. J. Grootendorst. Clusters of small, red flowers, double, with frilled petals.

Pink Grootendorst. Similar to the above, but the flowers are clear pink.

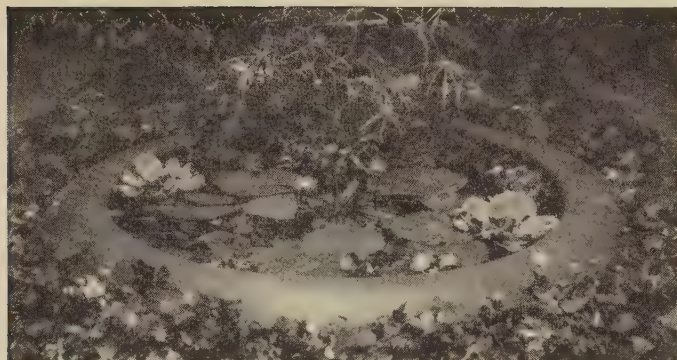
Hugonis. From north China, and very hardy. This is a graceful shrub with red canes, fern-like foliage, and masses of single yellow flowers in May. Will grow up to 8 feet.

Shrubbery Roses, \$1.25 each, \$3.50 for 3,
\$12.50 per doz.



Rose, Rouletti

WATER-LILIES and POND PLANTS



Portable Garden Pool With Plants

This new, ready-made lily pool has been designed for the small garden. Made of plastic material, it is inexpensive, practically indestructible, and adaptable to all locations. Without plants, it makes an excellent wading pool. Available with either one of two collections of water plants—or alone.

COLLECTION NO. 1

- 1 55-in. Pool
- 1 Beautiful Water-lily
- 5 Floating Plants
- 4 Shallow-Water Plants
- 3 Bog Plants
- 2 Oxygenating Plants
- 8 Snails

All for only \$19.95, ppd.

(Add 75 cts. postage West of the Mississippi River.)

55-in. POOL only \$9.95. (Purchaser pays transportation)

COLLECTION NO. 2

- 1 55-in. Pool
- 4 Floating Plants
- 2 Shallow-Water Plants
- 2 Oxygenating Plants
- 4 Snails

All for only \$13.95, ppd.

(Add 50 cts. postage West of the Mississippi River.)

Tropical Water-Lilies (June 1 shipment)

These are of two types: the Day-bloomers, whose flowers open with the sun and close at evening, and the Night-bloomers, whose flowers open in the afternoon and remain open until next morning. On cloudy days the latter often are open twenty-four hours. Lift, dry and store away from frost over winter; replant in spring.

Day-Blooming Sorts

- Blue Beauty.** Deep blue flowers, 10 to 12 inches across. \$2.50 each.
- Coerulea.** The original blue Lotus of the Nile. Fragrant. \$1.75 each.
- Colonel Lindbergh.** Enormous deep sky-blue flowers. \$2.50 each.
- Dauben.** Very fragrant, light blue. Recommended for tub-gardening. \$2 each.
- General Pershing.** Broad, chalice-shaped flowers of a clear pink. \$2.75 each.
- Mrs. C. W. Ward.** Deep rose-pink flowers, 8 to 10 inches across. \$2.50 each.
- Mrs. E. Whitaker.** Flowers 10 to 12 inches across, pale blue. \$2.50 each.
- Mrs. George H. Pring.** Best pure white; large; fragrant. \$2.25 each.
- Zanzibariensis** (African Purple Lily). Fragrant, 6 to 8 inch blooms. \$2 each.
- Zanzibariensis rosea.** Good-sized, bell-shaped flowers of rose-pink. \$1.75 each.

Night-Blooming Sorts (Open on cloudy days also)

- Bissett.** Beautiful pink; wide petals. One of the best. \$2 each.
- Devonshire.** Rosy red, 8 to 10-inch flowers. Bronze leaves. \$2.25 each.
- Juno.** Snow-white petals around a center of yellow stamens. \$2.50 each.

Bog and Marsh Plants (April 10 shipment)

- Sweet Flag** (*Acorus Calamus*). Variegated leaves. 90 cts. for 3, \$3.25 per doz.
- Water Poppy** (*Hydrocleis nymphoides*). 50 cts. for 3, \$1.75 per doz.
- Ginger or Butterfly Lily** (*Hedycium coronarium*). \$1 for 3, \$3.75 per doz.
- Yellow Flag** (*Iris Pseudacorus*). 90 cts. for 3, \$3.25 per doz.
- Marsh Iris** (*Iris versicolor*). 90 cts. for 3, \$3.25 per doz.
- Oriental or Water Taro** (*Colocasia multiflora*). 75 cts. each, \$2.15 for 3, \$8 per doz.
- Egyptian Paper Plant** (*Cyperus Papyrus*). \$1 for 3, \$3.75 per doz.
- Umbrella Palm** (*Cyperus alternifolius*). \$1 for 3, \$3.75 per doz.
- Water Plantain** (*Ahisma Plantago*). \$1 for 3, \$3.75 per doz.
- Wild Rice** (*Zizania aquatica*). 50 cts. for 3, \$1.75 per doz.

A VARIETY OF WATER PLANTS

Hardy Pool Assortment \$10 Ready April 10

Suitable for a pool about 30 square feet in area. One each: Water-Lily, Gloriosa (red), Gladstone (white) and Pink Opal. Also the following aquatic plants:

- 5 plants for a centerpiece or background
- 3 floating plants
- 12 plants for corners or margins
- 3 submerged plants

Hardy Water-Lilies (Nymphaeas)

(April 10 shipment)

For ponds, lakes, or in still pools along a stream. Plant in about 2 feet of water. Once established, they become a source of permanent beauty.

- Attraction.** Immense flowers, produced freely, and bright red in color. \$3 each.
- Aurora.** Flowers open amber-yellow, changing to orange-red on the second day and to deep red on the third. \$2 each.
- Comanche.** Large flowers of deep rich apricot with glowing red markings deepening to copper-orange. \$3 each.
- Gladstone.** Large, pure white, globular flowers. \$2.25 each.
- Gloriosa.** Beautiful clear red, deepening to dark red. \$3.25 each.
- H. B. Shaw.** Shell-pink and very fragrant. Blooms continuously. \$1.50 each.
- Helen Fowler.** Deep pink flowers. Suitable for growing in a tub. \$1.75 each.
- Marliac Rose.** Fragrant, cup-shaped flowers, deep rose in color. \$2.50 each.
- Marliac White.** Waxy white flowers, with bright yellow stamens. \$1.75 each.
- Marliac Yellow.** Bright chrome-yellow flowers. \$2.25 each.
- Pink Opal.** Full-petaled, cup-shaped flowers of a deep rich pink. \$1.25 each.
- Rose Arey.** Large, pink, fragrant, with long-pointed petals. \$2.50 each.
- Sunrise.** Splendid early yellow; blooms 8 to 10 inches across. \$3.25 each.

Lotus

Tubers are available from April 10 to June 1. Do not break the growing tip.

Soil should be rich, and covered with 6 to 10 inches of water. Set the tubers at an angle, so that the tip is barely covered, and firm the soil about the tuber.

American Lotus (*Nelumbium luteum*). Native variety having large, cream-yellow flowers with a delightful fragrance. \$2.50 each.

Sacred or Egyptian Lotus (*N. nuciferum*). A hardy, vigorous, fragrant type having rose-tipped petals, shading to cream at the base. \$2.75 each.

Double-flowering Rose Lotus (*N. roseum plenum*). Deep rose-pink. \$3.50 each.

Shallow-Water Plants (April 10 shipment)

- Arrow-head** (*Sagittaria latifolia*). Well-known native plant. 90 cts. for 3, \$3.25 per doz.
- Cattail** (*Typha latifolia*). 50 cts. for 3, \$1.75 per doz.
- Floating Heart** (*Nymphoides peltatum*). 50 cts. for 3, \$1.75 per doz.
- Parrot Feather** (*Myriophyllum proserpinacoides*). 50 cts. for 3, \$1.75 per doz.
- Pickrel Rush** (*Pontederia cordata*). 90 cts. for 3, \$3.25 per doz.
- Water Nasturtium.** 50 cts. for 3, \$1.75 per doz.

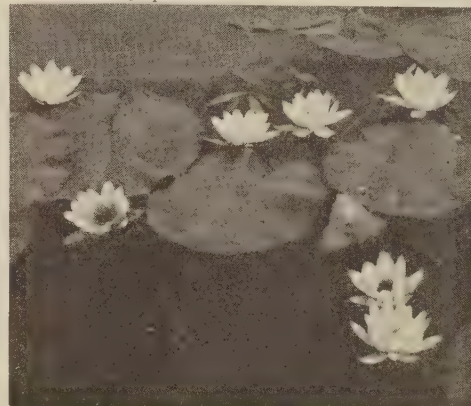
Floating Plants April 10 shipment

- Water Fern** (*Ceratopteris thalictroides*). 50 cts. per portion.
- Duck Weed** (*Lemna*). 40 cts. portion.
- Salvinia** (*S. brasiliensis*). 40 cts. portion.
- Water Lettuce or Shell Flower** (*Pistia Stratiotes*). 50 cts. for 3, \$1.75 per doz.
- Water Hyacinth** (*Eichhornia crassipes major*). 75 cts. for 3, \$2.75 per doz.

Submerged Plants (Oxygenating)

(April 10 shipment)

- Anacharis, Cabomba** (Fanwort; Fish-Grass). Ludwiga.
- Per bunch 45 cts., doz. bunches \$4.50
- Sagittaria sinensis.** 50 cts. for 3, \$1.75 per doz
- Vallisneria.** \$1 per doz.



Water-Lilies add charm and suggest peace. This is one of the hardy types.

VIGOROUS, HARDY PERENNIAL PLANTS REWARD WITH BEAUTY, YEAR AFTER YEAR

Our Perennial Plants are propagated in our nurseries at Farmingdale, Long Island, where the climate is conducive to rugged plants. Here we have humid summers and cold, wet winters with bitter winds.

These extremes of weather produce "tough" plants which will thrive anywhere. We do not offer as hardy, plants which are definitely not so. You may plant these with every confidence.



Aconitum Napellus



Anchusa myosotidiflora



Fall Anemone, *Hupehensis*

ACONITUM. *Monksblood.* Does well in partial shade. Requires a rich woods soil. Root is poisonous.

Napellus. Dark blue. 4 ft. Aug.

\$1.50 for 3, \$5.50 per doz.

AJUGA. *Bugle-Flower.* Splendid carpeting plants and ideal ground-covers for sun or partial shade.

Metallica. ★ Bronze foliage and blue flowers. 4 to 6 in. June.

Multicolor. ★ Leaves are multicolored, varying from dark green to red, white, and yellow. 4 to 6 in.

Reptans alba. ★ Pure white flowers. 4 to 6 in. June.

Reptans, Pink Spires. ★ Very effective because of its soft pink flowers on long spikes. Fine for the edges of paths and walks. 6 to 9 in. June, July.

ALYSSUM. *Madwort; Basket of Gold.* Sheets of yellow flowers. Very suitable for rock-gardens, walls, and sunny borders.

Saxatile. ★ Golden yellow. 1 ft. May.

ANCHUSA. *Alkanet; Bugloss.* Among the best blue summer-flowering plants.

Italica, Dropmore. Very showy and effective in borders. Brilliant royal blue. 4 to 5 ft. July.

Myosotidiflora. ★ Sprays of turquoise-blue flowers resembling forget-me-nots. 1½ ft. May, June. \$1.50 for 3, \$5.50 per doz.

ARABIS *Rock-Cress.* ★ Make a fine display in rock-gardens and as edgings.

Albida fl.-pl. White, double, sweet-scented, and beautiful. Splendid subject either for sun or shade, and suitable for dry-wall planting. Avoid an over-wet situation in the border. 9 in. May. \$1.65 for 3, \$6.25 per doz.

Rosabella. Very compact, with delicate pink flowers. 6 in. May.

PRICES, unless otherwise noted, \$1.35 for 3, \$5 per doz., \$35 per 100. Purchaser pays transportation.

★ Dwarf plants for the Rock-Garden and edging the Perennial Border

Fall Anemones • Windflower

Thriving in sun or part shade, they make a charming picture from early September to late October. They revel in woodsy soil, i.e., rotted leaves, peat, etc.

***Hupehensis.** Early. Rose-mauve. 1½ ft.

***Margarete.** Double, dark pink. 3 ft.

***Marie Manhard.** Semi-double, white. 3 ft.

Rosea superba. Large, rose. 3 ft.

***September Charm.** Rosy pink. 2 ft.

***September Queen.** A gem. Semi-double, rose-red. Very floriferous. 2 ft.

Rubra. Dark crimson. 2 ft.

***Whirlwind.** White, double. 2½ ft.

Mixed Colors. A fine assortment.

Above Anemones, \$1.75 for 3, \$6.75 per doz.

COLLECTIONS:

6 plants, one each marked *.....\$3.25

18 plants, three each.....\$9.50

ANEMONE pulsatilla. *Pasque Flower.* ★ Lovely mauve flowers in late April and May. The flowers are covered with silky hairs and have golden stamens. 9 in.



Ajuga reptans, Pink Spires

Aquilegia • Columbine

Beautiful old-fashioned border plants of indescribable charm. Graceful spurred flowers, often two-colored, on long stems, are produced mostly in early summer. All are excellent for cutting.

Super-Spurred Colossal

A strain of gigantic-sized Columbines, measuring 5 to 6 inches across, with spurs 4 inches long, covering a range of over 50 colors. 75 cts. each, \$2 for 3, \$7.50 per doz.

Long-spurred Varieties. All flower in June, and are from 2 to 3 feet in height.

Blue Shades.

Rose and Pink Shades.

Scarlet Shades.

Sawco Hybrids.

Longissima. Bright yellow, with spurs 3 to 4 inches long, 2½ ft. Usually blooms late, from July on. \$1.50 for 3, \$5.50 per doz.

ARMERIA. *Thrift; Sea-Pink.*

Farmingdale Giants. A selected strain of giant-flowering Thrifts with stems 2 to 2½ feet high. Excellent for cutting. Many shades of pink, salmon, strawberry, etc. July, Aug.

ARTEMISIA, Silver King. *Ghost Plant.* A very decorative plant with white, finely cut leaves. Excellent in the perennial border to accentuate the beauty of flowering plants. 3 to 4 ft.

Plants Need Food

Side-dress often with moderate amounts of our General Garden Fertilizer; rake under. Also, prior to planting, mix a generous cupful thoroughly with the soil under each Perennial, two cups under each Rose, three under each shrub. Include it in your order, and always have some on hand. 25 lbs. \$2, 50 lbs. \$3.50, 100 lbs. \$6.

Plant Your Hardy Border with These Beautiful Subjects

Easy to place them, because the height is shown on these pages. Average distance apart is 1 foot; tall or spreading types at wider intervals; dwarfier ones closer together.

To fill bare space the first year, sow seeds of Annuals; one or more of the Collections described at the end of the Flower Seed Section will be found most helpful in this regard.

Aster • Michaelmas Daisy

Provide a wealth of bloom in September and October, and are as invaluable as chrysanthemums. Splendid for borders and also for naturalizing in woodland plantings. They thrive anywhere but have a preference for sandy loam and a dislike for overcrowding. The dwarf varieties provide much-needed fall color in the rock-garden.

Novæ-angliæ.

***Harrington's Perfected Pink.** The finest pink Aster yet introduced. A clear, soft pink. 4 to 5 ft. Sept., Oct.

***Mt. Rainier.** Pure white. A beautiful novelty. 4 to 5 ft. Sept., Oct.

***Red Cloud.** Pure deep pink. A very fine novelty. 4 to 5 ft. Sept., Oct.

Above, each, \$1.50 for 3, \$5.50 per doz., \$40 per 100

Novi-belgi. All varieties flower in September and October.

***Royal Pink.** A 3½ ft. high plant that is covered with masses of beautiful bright pink blooms. A wonder for cut-bloom.

***Palmyra.** Growing 4 ft. high, this tall vigorous plant has masses of small semi-double pure pink flowers.

***Little Boy Blue.** Bright blue, semi-double flowers. 1½ ft.

***Mount Everest.** Large, pure white flowers in great profusion. 4 ft.

***Queen Mary.** Deepest, richest blue. Very large flowers with golden centers. 4 to 5 ft.

***Red Rover.** Deep rosy red with golden center. 3 to 4 ft.

COLLECTIONS:

4 plants, 1 each marked *.....\$2.00
12 plants, 3 each marked *.....\$5.50

Aster Frikarti. Very free flowering, producing charming blue flowers of large size. One of the finest perennials of today. 2 ft. Aug.-Oct. \$1.65 for 3, \$6.25 per doz.

ASTER, VIOLETTA. Novelty. Masses of beautiful flowers in September and October, 3 to 4 ft. \$1.50 for 3, \$5.50 per doz.

Dwarf Hybrid Asters

This race of foot-high bushy plants is just the thing for supplying end-of-summer color in the front of the perennial border and the rock-garden. They are covered with bloom in August and September.

Countess of Dudley. * Clear pink.

Snowsprite. * Pure white.

Victor. * Pale lavender-blue.

ASTILBE. *Spiræa.* These fine summer-flowering plants, with their graceful ferny leaves and spikes of soft plummy flowers, revel in rich, damp soil.

Gloria Superba. In June it is topped by an abundance of graceful and feathery deep pink flowers. Height 2 feet.

Amethyst. Deep violet-purple. 2 ft. June.

Deutschland. Pure white.

Fanal. Large heads of vivid vermilion. 2 ft. June, July.

Above Astilbes, 60 cts. each, \$1.75 for 3, \$6.75 per doz.

COLLECTIONS:

4 plants, 1 each.....\$2.25
12 plants, 3 each.....\$6.50

Campanula • Bellflower

These beautiful plants are for the rockery and border. They are of easy culture.

Carpatica. ★ A compact plant 6 inches high. Large blue flowers. July.

Carpatica alba. ★ White form.

Persicifolia, Blue Spire. Very attractive spikes of opalescent blue on strong, sturdy stems. Double flowers. 3 ft. June, July. 65 cts. each, \$1.85 for 3, \$7 per doz.

Persicifolia, Telham Beauty. Long, wiry 3-foot stems with large, single, silvery lavender-blue bells. July.

Canterbury Bells

Campanula Medium

These grand old-fashioned border plants provide a wealth of bloom in June and July. Offered in a choice **Mixture** of colors; single flowers.

Chrysogonum • Golden Knee

Virginianum. ★ Ground-cover; 4 to 6 in. For sun or part shade in a rich woody soil. Bright starry golden yellow flowers from May to August.



Daphne Cneorum

Daphne Cneorum • Garland Flower

★ A dwarf evergreen shrub with clusters of bright pink, fragrant flowers in May, and again in September. It prefers a sandy, peaty soil. 9 to 12-in. plants, \$2 each, \$5 for 3, \$17.50 per doz.

THE WELCOME GIFT

Of our thousands of merchandise items, many make ideal **PRESENTS** for anniversaries, birthdays, Easter, Mother's Day, Christmas or merely to say "thank you"—perennials, a collection of seeds, new dahlias, perhaps; roses, Epicure foods or some garden gadget.

A good idea is to purchase, for the amount you desire to spend, a *Gift Check*, good any time for any thing your friend selects. Give us the address and the amount; we do the rest. **If time is short**, wire or phone us.

PRICES, unless otherwise noted, \$1.35 for 3, \$5 per doz., \$35 per 100. Purchaser pays transportation.

★ Dwarf plants for the Rock-Garden and edging the Perennial Border



Astilbe (Spiræa)



Aster Frikarti



Chrysogonum

Super-Hardy CHRYSANTHEMUMS

Mulch them over the winter; dig up and replant every spring, working General Garden Fertilizer into the soil.

These all flower very early, and when established they begin to bloom in August, carrying through to early October.

Charming Semi-double Kinds

Pipstone. Red-bronze. 18 in.
Redwing. Pompeian red. 18 in.
Sunred. Bright Brazil red. 2 ft.
Waterlily. Pure white. 18 in.

Stunning Double Kinds

Butterball. Lemon. 18 in.
Chippewa. Wine color. 2 ft.
Dean Kay. Rose-pink. 2 to 2½ ft.
Dean Ladd. Extra-large orange-yellow. 2½ ft.
Glacier. Extra-large white. 2 ft.
My Lady. Orange-yellow. 2 ft.
Harmony. Strawberry-pink. 18 in.
Welcome. Mallow-purple. 2 ft.

Above early-flowering types, \$1.75 for 3, \$6.75 per doz.

COLLECTIONS:

12 plants, 1 each of above.....\$7.00
36 plants, 3 each of above.....\$20.00

Three Good Chrysanthemums

Height 2 ft.

Charles. The double flowers are enormous—2½ to 3 inches across—and a rich buttercup-yellow.

Morning Glow. Dark pink in the center, becoming a light shell-pink at the edges; double, and 1½ to 2 inches across.

Red Velvet. Silky but substantial florets are a rich crimson. By far the best in this striking color.

Above varieties, each, \$1.75 for 3, \$6.75 per doz.

COLLECTIONS:

3 plants, 1 each of above.....\$1.75
9 plants, 3 each of above.....\$5.00
36 plants, 12 each of above.....\$19.50

Late-Flowering Types

The following are beautiful autumn-flowering types, with lavish displays during September and October. All have good foliage, and, unless stated otherwise, they average 2½ to 3 feet in height.

An Outstanding Single

Kristina. Large; brilliant red.

Double Korean Chrysanthemums

Burma. Compact; floriferous. Bronze, orange and copper overtones. Late Sept.
Burgundy. Stiff, strong stems. Rich, glowing wine-color. Large flowers.
Eugene Wander. A large-flowered golden yellow, blooming early in fall.
Lavender Lady. One of the largest doubles; an exquisite lavender-orchid.
Mrs. P. S. du Pont. Soft peach-pink with salmon-fawn overtones.

Cushion Chrysanthemums

Perfect mound-like habit with hundreds of flowers. Blooms from late August on.

Bronze Red **Yellow** **White Pink**

Pompon Chrysanthemums

Harbor Lights. Pale cream-yellow, soft yet sparkling. In bloom Sept. 28.

Irene. Often has 300 white buttons on a plant; long, stiff stems. 2½ ft. Oct.

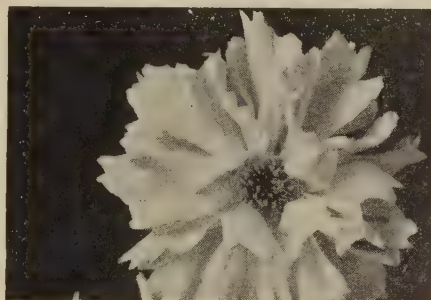
CHRYSANTHEMUM maximum. *Shasta Daisy.* Flowers are glistening white, and with most varieties are produced in June and July. All are of very easy culture and most suitable for cutting.

Majestic. Enormous saucer-size flowers are produced freely on strong stems. Midsummer. 2½ ft. 75 cts. each, \$2.15 for 3, \$8.25 per doz.

Alaska. Large white flowers 3 inches across. 2 ft. June.

Chrysanthemum Esther Reed

A large double pure white *Shasta Daisy* with flowers on sturdy stems. Perfect for cutting. Blooms all summer. 1½ ft. \$1.65 for 3, \$6.25 per doz.



Coreopsis, Double Sunburst

COREOPSIS. *Tickseed.* Old-fashioned border plants of very easy culture. Great profusion of flowers in July and Aug.

Double Sunburst. Brilliant golden yellow; double, 3½ inches across. Charming cut-flowers. 2 ft.

DIANTHUS. *Garden Pinks.* Plants of compact habit with fragrant flowers.

Beatrix. ★ Light salmon-pink, scented flowers from May to Nov. 9 in.

Bobby. ★ Deep pink flowers, each with a crimson ring in the center.

Her Majesty. ★ Large pure white, intensely fragrant flowers. 1 ft. June.

Little Joe. ★ Flowers all summer and fall. Beautiful gray-green foliage with large single rich crimson flowers. \$1.50 for 3, \$5.50 per doz.

New Blue. ★ Foliage is dark green. Flowers lavender-blue, resembling a Sweet William, and profusely borne on 9-inch trusses. July-Sept. \$1.50 for 3, \$5.50 per doz.

Scotch or Florists' Pinks. ★ Wide color-range; single and double. 1 ft. June.

Silvermine. ★ *Novelty.* Like *Beatrix* except that flowers are pure white.

DELPHINIUMS

Perennial Larkspurs

The king of border plants. Provide well-drained soil; give bonemeal and careful additional feedings of our General Garden Fertilizer. Spray with Bordeaux and dust with sulphur.

Super Gold Medal Hybrids. Splendid color-range from light blue to deep purple. Yearling plants. 1-yr. plants, \$1 each, \$2.90 for 3, \$11 per doz.

Belladonna. Clear turquoise-blue.

Belladonna, Cliveden Beauty. Sky blue. 4 ft. July.

PACIFIC HYBRIDS. Fine foliage and long spikes of large flowers; vigorous and very resistant to disease.

Blue Jay. Blue with gray overtones.

King Arthur Series. Royal violet.

Guinevere Series. Light lavender-pink.

Summer Skies Series. Clear light blue.

Galahad Series. Clear white.

Above Pacific Hybrids, 75 cts. each, \$2 for 3, \$7.50 per doz.

COLLECTIONS:

5 plants, 1 each of above.....\$3.25
15 plants, 3 each of above.....\$9.00

Round Table. Noble mixture of all colors. (Pacific Hybrids.) \$1.90 for 3, \$7.25 per doz.

DICENTRA. *Bleeding-Heart.*

Eximia. *Fringed Bleeding-Heart.* ★ Dwarf; fern-like leaves and rose-pink flowers. 1 ft. Apr. \$1.50 for 3, \$5.50 per doz.

Spectabilis. Old-time Bleeding-Heart, Beautiful pink flowers. 75 cts. each, \$2.15 for 3, \$8.25 per doz.

DIGITALIS. *Foxglove.* For borders, woods, and wild gardens. Long spikes of beautiful tubular flowers. Useful in shade.

Giant Shirley. Pink, white, purple, yellow. 5 to 6 ft. June.

DORONICUM. *Leopard's Bane.* Early-flowering; of easy culture in sun or semi-shade. Excellent for cutting.

Excelsum. Yellow flowers 2 to 3 in. in diameter on 2½-ft. stems. May.

EUPATORIUM. *Hardy Ageratum;*

Boneset; Thoroughwort; Mist-Flower.

Robust plants especially suitable for herbaceous borders and wild and woodland gardens.

Cœlestinum. This pretty plant, with its light mauve-blue flowers, is excellent when associated with other fall-flowering plants. 2 to 3 ft. Aug.



Chrysanthemum maximum, Majestic

PRICES, unless otherwise noted, \$1.35 for 3, \$5 per doz., \$35 per 100. Purchaser pays transportation.

★Dwarf plants for the Rock-Garden and edging the Perennial Border

PLANT-TWISTS.

Use them when plants need staking. A turn of the hand, and the plant will stand. Length, 7 inches

• 50 cts. per 100



Gaillardia

FUCHSIA, Scarlet Beauty

It is of upright habit and blooms freely during the entire summer. While it will stand the full sunlight, it delights in semi-shade. The four sepals are deep purple, the corolla ruby-red. Requires some protection north of Philadelphia. 3-in. pot-plants, \$1.50 for 3, \$5.50 per doz.

FUNKIA. *Hosta; Plantain Lily.* Hardy subject that is especially suitable as a foliage plant in shady places. July.

Lancifolia albo-marginata. Green-white variegated leaves. Blue flowers. 2 ft.

Subcordata coerulea. Leaves deep green, 10 inches long and 6 inches wide. The beautiful tubular flowers are blue, fragrant and 5 inches long. August. 2½ ft.

Subcordata grandiflora. Large leaves of refreshing green and tremendous spikes of pure white flowers. 2 ft. \$1.50 for 3, \$5.50 per doz.

Gaillardia • Blanket Flower

Produces a continual display of richly colored flowers from June until October and are unsurpassed for their brilliance.

Goblin. Dwarf. Bright yellow flowers with a deep red zone. 12 to 15 in.

S. & W. Co.'s Giant Hybrids. A grand strain from all the best hybrids. 2½ ft.

Mr. Sherbrook. Fine variety with large flowers of pure yellow, on long stems. 2 ft. \$1.50 for 3, \$5.50 per doz.



Funkia

GERBERA. *Barberton or Transvaal Daisy.* Beautiful flowers 4 to 5 inches in diameter, embrace shades of red, orange, rose, to white and yellow. Protect them with a mulch over winter.

Jamesoni Hybrids, Single. A splendid mixture of all shades. July-Oct. \$1.75 for 3, \$6.75 per doz.

Jamesoni Hybrids, Double. Double flowers. Beautiful pastel shades. 90 cts. each, \$2.60 for 3, \$10 per doz.

Geum • Avena

Hardy, low, compact plants from which arise the graceful stems bearing their bright colored blossoms.

Fire Opal. Semi-double, orange-scarlet flowers. 2 to 2½ ft. June-Sept.

Princess Juliana. Large, semi-double flowers of pure orange. June-Sept.

Wilton Ruby. ★ *Novelty.* Semi-double, brilliant ruby flowers with orange overtones. 1½ ft. July-Sept.

Each, \$1.50 for 3, \$5.50 per doz.



Gypsophila, Bristol Fairy

GYP SOPHILA. *Babys-Breath.* They are essentially for summer bouquets, and in the border their light, airy appearance will greatly enhance all other perennials.

Bristol Fairy

Graceful; one of the most popular Gypsophilas for cutting, having huge panicles of pure white, double flowers. 4 ft. July, Aug. 1-yr. pot plants, \$1.50 for 3, \$5.50 per doz. 2-yr. field-grown, 75 cts. each, \$2.15 for 3, \$8.25 per doz.

Repens Bodgeri. ★ A dwarf variety, excellent for edgings. Very light pink, double flowers. 1 ft.

HEDERA Helix. *English Ivy.* ★ Fine for under trees, on banks or against walls. 2¼-in. pots, \$2.75 per doz., \$21.50 per 100. 4-in. pots, \$2.15 for 3, \$7.50 per doz., \$50 per 100.

HELIANTHUS. *Perennial Sunflower.* Tall, choice border plants, fine for naturalizing and for providing an abundance of cut-flowers in late summer.

Soleil d'Or. Double, 3-inch dahlia-like flowers of rich yellow. 4 to 5 ft. July until late Sept.

HELIOPSIS incomparabilis. *American Ox-Eye.* Blooms June, July; cut back in July, starts again in September. Flowers 3 inches across and golden yellow. 2½ to 3 ft.

\$1.50 for 3, \$5.50 per doz.

Helleborus

Hellebore; Christmas Rose; Lenten Rose

Needs a good, deep, rich soil and semi-shade. It looks well planted at the base of a broad-leaved evergreen, or in a sheltered nook in the rock-garden. Should not be disturbed; after a year or so, their beautiful flowers will appear in ever-increasing profusion.

Niger. ★ Big, dark green, leathery leaves, and very large white flowers in December. 1 ft. \$1.50 each, \$4.25 for 3, \$16.50 per doz.

HEUCHERA. *Alum-Root; Coral Bells.* ★ Splendid plants of compact habit. Graceful spikes of flowers.

Bloom's Variety. Large, red flowers on 18-inch stems. Mottled foliage.

Oakington Jewel. Vigorous spikes of many small coral-pink bells. Beautiful dark mottled foliage.

Snowflake. Sturdy 18-inch spikes of large pure white flowers.

HIBISCUS. *Rose-Mallow.* Strong perennials with beautiful flowers 4 to 5 inches in diameter in August. 5 to 6 ft.

Mallow Marvels. Mixture of pink, red and white.

Hollyhocks

(*Alibaea rosea*). These old favorites, gay with color during July and August, are striking as a background for other flowers in the perennial bed and in the shrubbery.

Haile Selassie. *The Black Hollyhock.* Grows 6 to 8 feet with large flowers of near-black chocolate; yellow stamens. \$1.50 for 3, \$5.50 per doz.

DOUBLE HOLLYHOCKS.

Newport Pink White
Scarlet Yellow
Superb Mixed. Specially recommended.



Hibiscus, Mallow Marvels

PRICES, unless otherwise noted, \$1.35 for 3, \$5 per doz., \$35 per 100. Purchaser pays transportation.

★ Dwarf plants for the Rock-Garden and edging the Perennial Border

Dwarf Hemerocallis • Day-Lily

They average no more than 18 to 24 inches. Perfectly hardy and of easy culture, they bear hundreds of flowers each season when once established. Excellent for edging borders, paths, and driveways.

Dumortieri. Bright yellow, shaded brown. May, June.

Middendorffi. Bright yellow-orange. June, July.

Orangeman. Orange-yellow. June.

Each, \$1.90 for 3, \$7.25 per doz.,
\$52.50 per 100

Three Splendid Mixtures of Hemerocallis

Francis Marion Series. Loveliest reds, wines, maroons and purples, bold patterns, with no yellows or orange. Varied blooming season gives several months of brilliant color. \$2.15 for 3, \$8.25 per doz., \$60 per 100.

Sunshine Series. To enable our customers to have some of the better new varieties in lemon, gold and other light colors at a moderate price we have selected this Sunshine series. They include some of the finest sorts, sold unnamed and unlabeled, in mixture only. \$1.50 for 3, \$5.50 per doz., \$42.50 per 100.

Jacob Murray Series. Made up of all the darker colored Day-lilies. They range in color from dark maroons, mahogany and rose, to tan and many bicolors. All are unusual and vary as to height and time of bloom. \$1.90 for 3, \$7.25 per doz., \$52.50 per 100.

STANDARD TYPES

After each is the date it first blooms. Flowering period is from 4 to 6 weeks.

D. D. Wyman. Large; golden yellow with brown bars. 3 ft. June 17. \$1.50 for 3, \$5.50 per doz.

Dover. Large; gold. 2½ ft. May 25. \$1.50 for 3, \$5.50 per doz.

George Yeld. Large; golden yellow with brown suffusion. 3½ ft. July 1. \$1.50 for 3, \$5.50 per doz.

Goldeni. Yellow-gold. 3 ft. June 8.

Gypsy. Deep orange. 4 ft. June 17. \$1.50 for 3, \$5.50 per doz.

Lemona. Large; pale yellow. 3½ ft. June 17. \$2.15 for 3, \$8.25 per doz.

Mikado. Orange, purple shading. \$2.15 for 3, \$8.25 per doz.

Ophir. Tall; lemon-yellow. 4 ft. June 25. \$1.50 for 3, \$5.50 per doz.

The Gem. Pale gold. 3 ft. June 15. \$1.50 for 3, \$5.50 per doz.

Mixed Shades. A fine assortment.

COLLECTIONS:

1 plant each, marked ● \$3.00
3 plants each, marked ● \$8.75

IRIS PUMILA. Dwarf Iris. ★ Lovely little Iris only 8 inches high. Blooms in April and May. Useful for the rock-garden.

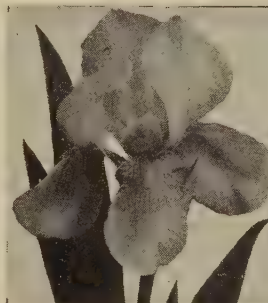
Excelsa. Pale lemon-yellow.

Sambo. ★ Dark violet-blue.

Schneekuppe. ★ Showy white.

PRICES, unless otherwise noted, \$1.35 for 3, \$5 per doz., \$35 per 100. Purchaser pays transportation.

★ Dwarf plants for the Rock-Garden and edging the Perennial Border



Bearded Iris



Oriental Iris



Siberian Iris

Iris vulgaris

Bearded Iris; Flag; Fleur de Lys; June Iris

They are of easy culture, simply requiring a well-drained soil and plenty of sun.

Three Outstanding New Varieties

Gudrun. Pure white with small yellow center.

Royal Splendor. Bluish purple.

Wabash. White with purple falls edged lavender.

Any of the above, \$2 for 3, \$7.50 per doz.

Alta California. Yellow. 4 ft.

Ambassadeur. Standards rosy lilac; falls rich purple.

Athene. Tall bearded white.

Dauntless. 3½ foot plants, bear large velvety flowers; about as near red as can be found in Iris.

Dazzler. Deep rose; very fragrant.

Frieda Mohr. Giant pink.

Goblin Red. Ox-blood-red.

Henri Riviere. Yellow and lilac-mauve. General effect is yellow. 3½ ft.

Indian Chief. One of the largest reds; it carries a bronzy overcast.

Milky Way. Charming milk-white blooms, with chaste lavender-colored veins.

Pioneer. Rich red-purple.

Queen Catherine. Very large pale blue flowers. Sweetly scented.

Rameses. 3 feet high. The large blossoms are a combination of rose-pink and buff.

Mixture of Choice Sorts. Assortment made from above.

Above, each, \$1.50 for 3, \$5.50 per doz.,
\$40 per 100

Miniature Irises

★ An early dwarf type, blooming along with the daffodil. Beautiful and delicate in appearance, yet especially hardy. Recommended for the rock-garden, for edging the border or alongside the garden path.

Mogador. ★ Milk-white standards; falls soft yellow. 12 in.

Sound Money. ★ Rich golden yellow. Blooms spring and fall. 8 in.

Tony. ★ Dark ruby-red. 1 ft.

Iris Kaempferi • Oriental Iris

These flower after the Bearded Irises have gone, and will do well in almost any location, but especially well where it is moist.

IMPROVED VARIETIES.

Elbrus. Double, clear lavender; immense size and splendid substance.

Light-in-the-Opal. Double; orchid-pink with glistening sheen.

Mahogany Giant. Deeper velvety maroon than Mahogany, and larger.

Violet Giant. Rich violet; semi-double; frequently 27 inches around.

White Giant. White with yellow markings.

Above Improved Irises, \$1 each, \$2.90 for 3,
\$11 per doz.

STANDARD VARIETIES.

Ruby King. Double; ruby-crimson.

Blue Queen. Deep blue, veined yellow.

La Favorite. Double; white, veined blue.

Painted Lady. Single; pink and white.

Pyramid. Tall. Dark violet-purple yellow blotch.

Above Standard Irises, each, \$1.90 for 3,
\$7.25 per doz.

Iris sibirica • Siberian Iris

Large clumps of decorative grassy foliage, and an abundance of flowers excellent for cutting. 3½ to 4 ft. June.

Emperor. A dark violet-blue.

Perry's Blue. Clear sky-blue.

Snow Queen. Pure white.

Spring and Fall-blooming Iris

After flowering in spring, they blossom again in the fall, after they have become well established.

Autumn Elf. Standards cream, falls lavender. Very fragrant. 1½ ft.

Autumn King. Blue-purple. 3 ft.

Autumn Queen. Very pretty white. 2½ ft.

Dorcas Hutchinson. Very fragrant; deep violet self. 1½ ft.

Peggy Babington. Rich clear canary-yellow. 28 in.

Sangreal. Rich yellow. 28 in.

September Skies. Purple-red. 16 in.

Above, each, \$1.50 for 3, \$5.50 per doz.,
\$40 per 100

COLLECTIONS:

1 each of the above 7 varieties \$3.25
3 each of the above 7 varieties \$9.50

Hardy Plants TO BLOOM YEAR AFTER YEAR



HARDY ASTER, Queen Mary. \$1.35 for 3, \$5 per doz., \$35 per 100.

The Hardy Asters shown here are among the best, and a listing of a dozen other fine sorts will be found on page 65.



CHARMING FALL ANEMONES

They make the border brilliant from early September until late October. Mixed Colors, \$1.75 for 3, \$6.75 per doz.

COLLECTIONS:

6 plants, 1 each of 6 named sorts, \$3.25
18 plants, 3 each of 6 named sorts, \$9.50

See page 64



SUPER-SPURRED COLOSSAL COLUMBINES.

Gigantic blooms, 5 to 6 inches across, with 4-inch spurs. Beautiful mixed colors. 75 cts. each, \$2 for 3, \$7.50 per doz.

Pacific Hybrid DELPHINIUMS

Enormous flowers in five separate color groups and an exciting mixture.

These have fine foliage and long spikes of large flowers; vigorous and very resistant to disease.

Blue Jay. Blue with gray overtones.

King Arthur Series. Royal violet.

Guinevere Series. Light lavender-pink.

Summer Skies Series. Clear light blue.

Galahad Series. Clear white.

Above Pacific Hybrids, 75 cts. each, \$2 for 3; \$7.50 per doz.

COLLECTIONS:

5 plants, 1 each of the above varieties, \$3.25
15 plants, 3 each, \$9

MICHAELMAS DAISIES (Hardy Asters)

These make the hardy border a riot of color every September and October. Or you may plant them in open woodland to give a charming natural effect. They are not particular as to soil, but will do their best in a sandy loam; do not plant closer than 18 inches.

HARDY ASTER COLLECTIONS:

4 plants, 1 each 4 sorts, \$2.00
12 plants, 3 each 4 sorts, \$5.50

Round Table. Noble mixture of all colors Pacific Hybrid Delphiniums. \$1.90 for 3, \$7.25 per doz.



TOUGH PLANTS. These are produced by us in our wind-swept Long Island gardens at Farmingdale.



HARDY ASTER, Harrington's Perfected Pink. \$1.50 for 3, \$5.50 per doz., \$40 per 100.





Sensational MUMS

SUPER-HARDY RACE—EARLY. New double and semi-double kinds that start to flower in August to glorify the garden until heavy frost.

Redwing (1)

1½ ft.

Pipestone (2)

1½ ft.

Sunred (3)

2 ft.

Waterlily (4)

1½ ft.

Dean Kay (5)

2¼ ft.

My Lady (6)

2 ft.

Chippewa (7)

2 ft.

Glacier (8)

2 ft.

Butterball (9)

1½ ft.

Harmony (10)

1½ ft.

Dean Ladd (11)

2½ ft.

Welcome (12)

2 ft.

Any of these varieties, each, \$1.75 for 3, \$6.75 per doz.

COLLECTIONS: 12 plants, one each of above. . \$7
36 plants, three each of above. \$20

SAWCO PRIZE-WINNER FERTILIZER

We asked a leading fertilizer manufacturer what he would use to produce prize-winning Chrysanthemums, Roses, Pelargoniums, Cinerarias and other flowers. He came up with this 6-12-4 Formula. It contains blood, bone, tankage, basic slag, nitrate, sulphate of ammonia and of potash. A pure, high-quality product. Dig under ½ lb. to each 10 sq. ft. Side-dress during growth every two weeks. 5 lbs. \$1.25, 10 lbs. \$2, 25 lbs. \$4.50, 50 lbs. \$8, 100 lbs. \$15.



BEARDED IRIS (*Iris vulgaris*)

JUNE-BLOOMING

We supply a wonderful mixture made from over 20 gorgeous sorts. \$1.50 for 3, \$5.50 per doz., \$40 per 100. Named varieties are offered on page 68.



MORE *Hardy* PERENNIALS

GORGEOUS ORIENTAL POPPIES

Their striking foliage and glowing flowers are most effective for grouping with other perennials where a vivid splash of color is required in June and July. We offer pot-grown plants which can be moved at any time; they are grown from cuttings.

Cerise Bedder. Rich sparkling cerise flowers 4 to 6 inches across with two rows of petals. *Fine for cutting.*

***Grand Mogul.** Crimson-scarlet flowers, 4 to 6 inches in diameter. 2½ ft.

Little Shrimp. A miniature variety. Small, pale pink flowers in profusion. Good for rock-gardens. 1 ft.

***Perry's White.** Immense flowers of a pure satiny white with a crimson-maroon blush at the base of the petals. 3 ft.

***Pink Lassie.** Pale pink; large.

Purity. Soft shell-pink, with no spots or markings. Very fine.

Seashell. Light pink; delicate texture.

All Oriental Poppies, 85 cts. each, \$2.25 for 3, \$7.50 per doz.

COLLECTIONS

3 plants, 1 each variety marked *, \$2.35

9 plants, 3 each, \$6.25, 18 plants, 6 each, \$10.50

GLORIOUS PEONIES

They require a deep rich soil and should be planted so that the eyes are about 1 inch beneath the surface. To each root we recommend a 4-inch pot of General Garden Fertilizer at planting-time, which should be well mixed in the soil about the roots. If planted in the fall, we recommend also a blanket of manure or Mulch-o-Nure the first winter. Our plants are all 2 or more years old. White, Red, Pink, Mixed. Your selection, \$1 each, \$2.50 for 3, \$8.50 per doz., \$67.50 per 100.

Top, Grand Mogul; at right is a glimpse of Perry's White. Pink Lassie, third kind in our special collection, not illustrated.

RED-HOT POKER

Tritoma Pfitzeri

Easily grown anywhere in full sun. From strong, grass-like foliage arise spikes of flowers from July to September. \$1.50 for 3, \$5.50 per doz., \$40 per 100.

BRILLIANT PHLOX

Modern kinds, mixture of colors, \$1.75 for 3, \$6.75 per doz.

COLLECTION:

9 plants, all different, each named, \$4.75; 27 plants, 3 each, \$13; 108 plants, 12 each, \$45.

Listed on page 74.

Many named varieties of Peony on pages 73, 74.





The Perennial Border

EVER-CHANGING PAGEANT OF COLOR FROM SPRING TO FALL

**SPECIAL
COLLECTION**

ASSORTED HARDY PLANTS
OF ALL COLORS

44 plants for \$17.50

A splendid selection for a perennial bed in the widest variety of colors; some one or other of them will be in bloom from April to November. The collection is suitable for a space approximately 20 feet long by 4 feet wide.

The offer includes:

8 tall plants for the back of the bed, 2 each of the following

- | | |
|-----------------------------|-----------------------------|
| 1. Hollyhocks, Pink | 3. Digitalis, Giant Shirley |
| 2. Hibiscus, Mallow Marvels | 4. Physostegia |

12 medium-height plants for the center of the bed, 2 each of the following:

- | | |
|--------------------|-------------------------|
| 5. Geum, Fire Opal | 8. Aquilegia |
| 6. Pyrethrums | 9. Lychnis chalcidonica |
| 7. Lupinus Hybrids | 10. Sweet William |

24 dwarf plants for the front of the bed, 3 each of the following:

- | | |
|--------------------------|---------------------------|
| 11. Silene Schafta | 15. Sedum spectabile |
| 12. Dianthus, Little Joe | 16. Dianthus, Her Majesty |
| 13. Viola, Jersey Gem | 17. Gaillardia |
| 14. Ajuga metallica | 18. Scotch Pinks |

**FILL THIS 30 BY 4-FOOT PERENNIAL BORDER WITH
A COLLECTION OF SIXTY PLANTS** (Twenty distinct varieties)

It occupies 120 square feet, but it may be adapted easily to fit any space that is similar in area but of different dimensions (say 24 x 5, 20 x 6 or 15 x 8 feet) And it need not be a rectangle—an ell or a curve would be equally pleasing.

A Cutting Garden

- 3 Aster, Queen Mary
- 3 Iris, Pioneer
- 2 Lavandula, Munstead Strain
- 3 Gaillardia, S. & W. Co.'s Hybrids
- 3 Hemerocallis, D. D. Wyman
- 2 Anemone, September Charm
- 3 Chrysanthemum, Kristina
- 3 Stokesia lilacina
- 6 Dianthus, Beatrix
- 3 Coreopsis
- 6 Delphinium, Pacific
- 3 Verbena bonariensis
- 1 Artemisia, Silver King
- 2 Heliopsis incomparabilis
- 3 Scabiosa, Isaac House Strain
- 3 Doronicum excelsum
- 3 Tritoma, S. & W. Co.'s Hybrids
- 2 Campanula, Telham Beauty
- 3 Chrysanthemum, Esther Reed
- 3 Helianthus, Soleil d'Or

For Full Sun

- 3 Aster, Red Cloud
- 3 Iris, Wedgwood
- 2 Veronica spicata
- 3 Gypsophila repens
- 3 Phlox, Eva Foerster
- 2 Aquilegia, Yellow
- 3 Dianthus, Beatrix
- 3 Lychnis Viscaria
- 6 Aster, Little Boy Blue
- 3 Heliopsis incomparabilis
- 6 Delphinium, Pacific
- 3 Aquilegia, Rose and Pink Shades
- 1 Rudbeckia purpurea
- 2 Coreopsis
- 3 Geum, Princess Juliana
- 3 Delphinium, Belladonna
- 3 Tritoma, S. & W. Co.'s Hybrids
- 2 Chrysanthemum, Esther Reed
- 3 Armeria, Farmingdale Giants
- 3 Chrysanthemum, Korean

For Partial Shade

- 3 Aster, Violette
- 3 Iris, Indian Chief
- 2 Funkia
- 3 Phlox, A. L. Schlageter
- 3 Liatris scariosa alba
- 2 Primula officinalis
- 3 Plumbago Larpentæ
- 3 Anemone, September Charm
- 6 Ajuga multicolor
- 3 Dicentra eximia
- 6 Digitalis, Giant Shirley
- 3 Aster, Palmyra
- 1 Dicentra spectabilis
- 2 Coreopsis
- 3 Primula japonica
- 3 Aster, Little Boy Blue
- 3 Hemerocallis, Goldeni
- 2 Iris, Alta California
- 3 Nepeta Mussini
- 3 Veronica spicata

60 Plants COLLECTION

Value, \$28.50

\$26.75

60 Plants COLLECTION

Value, \$28.45

\$26.75

60 Plants COLLECTION

Value, \$27.75

\$26.75

Any two Collections, \$51; all three Collections, \$75



ENCOURAGE THE BIRDS, for many of them help in your fight against insect pests. We supply a mixture of just the FOOD SEEDS they like. Five pounds, \$1

Iberis • Perennial Candytuft

Beautiful dwarf evergreen plants thriving in sun or partial shade. Useful for the rock-garden, dry walls and edging.

Sempervirens, Little Gem. ★ Compact little bright green plant, becomes a mass of white flowers in June. 6 to 8 in.

Sempervirens, Snowflake. ★ A strong variety with green leaves and snow-white flowers in May. 1 to 1½ ft.

LAVANDULA. *English Lavender.* Old-fashioned, fragrant plants with wiry spikes of lavender-blue flowers much used in the making of sachets.

Munstead Strain. A taller-growing variety with gray-green foliage. 2 to 2½ ft. June.

LIATRIS. *Blazing Star; Gayfeather.* These showy plants all have grassy leaves and extremely bold spikes of flowers.

Pycnostachya. A most attractive perennial with long spikes of rich purple flowers. 4 ft. Sept.

Scariosa alba. A splendid variety with very heavy spikes of snow-white flowers produced in September. 5 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

LINUM. *Flax.*

Perenne. Old-fashioned border plant. The foliage is light and graceful, and its bright blue flowers rest on the plant like blue butterflies. Blooms from June until autumn.

Lupinus polyphyllus • Lupine

Handsome perennial with palmate foliage and long spikes of brilliantly colored pea-shaped flowers in June and July. Likes partly shaded, well-drained spots with soil that is not too rich and is free from lime.

Blue Shades

Pure White

Rose Shades

Mixed Shades

Red Shades

Russell Lupines

The much-publicized hybrid Lupines from England. These wonderful plants bear tremendous spikes in colors and combinations never seen before, the fruit of years of careful work. 3 to 5 ft. June, July. \$1.50 for 3, \$5.50 per doz.

★ Dwarf plants for the Rock-Garden and edging the Perennial Border

PRICES, unless otherwise noted, \$1.35 for 3, \$5 per doz., \$35 per 100.

Purchaser pays transportation.



Myosotis

Lupines

LYCHNIS. *Rose Campion; Catchfly.* A handsome plant of easy culture in any garden soil. Likes a sunny situation; excellent for beds or perennial borders.

Viscaria splendens double. ★ Plant makes a tuft of grassy foliage from which arise stiff stems, smothered with large, double, and extremely beautiful rose-pink flowers in great profusion. 15 in. \$1.50 for 3, \$5.50 per doz.

MONARDA. *Bee-Balm; Oswego Tea; Bergamot.* Old-fashioned plants of easy culture anywhere. Highly aromatic leaves and pretty spikes of flowers.

Didyma rubra. Bright red flowers in July. 2½ ft.

Didyma, Salmon. A salmon-flowered variety. 2½ ft. July.

Myosotis • Forget-me-not

Palustris semperflorens. ★ Creeping habit; flowers from June until September. The florets are of a beautiful clear pale blue with small yellow eyes. 6 in.

NEPETA. *Ground Ivy.* Old-fashioned plants of easy culture in the poorest of soils. They should be cut back after flowering, which will produce a very compact plant.

Mussini. ★ Masses of large blue flowers in June. 9 in.

Oenothera • Evening Primrose; Sundrop

Striking plants for a sunny location. Flowers open late in the day and close next morning.

Glaucia Fraseria. ★ Golden yellow cups in July and August. 1 to 1½ ft.

PACHYSANDRA terminalis. *Oriental Spurge.* Fine ground-cover for shade or semi-shade. Bright glossy green foliage. For quick results, plant 9 inches apart. Height 6 to 9 in. Plants from 3-in. pots, \$2.50 per doz., \$17.50 per 100, \$150 per 1000.

GROUND-COVERS are invaluable for under trees, where grass cannot grow, to form a carpet amid shrubbery or for bordering walks and drives.

Some good ones include Pachysandra, offered above, also English Ivy, Euonymus, Vinca, Chrysogonum and Thymus for sunny spots. Please consult Index.

Herbaceous Peonies

They require a deep rich soil and should be planted so that the eyes are about 1 inch beneath the surface. To each root we recommend a 4-inch pot of bonemeal at planting-time, which should be well mixed in the soil about the roots. If planted in the fall, we recommend also a blanket of manure or Mulcho-Nure the first winter. Our plants are all 2 or more years old.

WHITE SHADES, DOUBLE.

Baroness Schroeder. Large, tinted with delicate light pink; fragrant. \$2 each, \$5.75 for 3, \$22 per doz.

Festiva maxima. Large flowers with feathered petals and crimson flecks in the center. \$1.25 each, \$3.50 for 3, \$13 per doz.

Kelway's Glorious. Very full flowers of enormous size; sweetly scented. \$3.50 each, \$10 for 3, \$38.50 per doz.

HERBACEOUS PEONIES, continued

RED SHADES, DOUBLE.

Felix Crousse. Brilliant red flowers, large, compact, and globular. \$1.25 each, \$3.50 for 3, \$13 per doz.

Karl Rosenfield. Very fine rich blood-crimson flower. Strong grower. Free flowering; early. \$1.50 each, \$4 for 3, \$15 per doz.

Philippe Rivoire. Early-flowering dark crimson; rich rose scent. \$2.50 each, \$7.25 for 3, \$27.50 per doz.

PINK SHADES, DOUBLE.

Germaine Bigot. *New.* Beautiful double light pink. The enormous flowers are sweetly scented. \$3.50 each, \$10 for 3, \$38.50 per doz.

Katharine Havemeyer. Large, fully double flowers of apple-blossom-pink; sweetly fragrant. Very early. \$2.50 each, \$7.25 for 3, \$27.50 per doz.

Mme. Ducl. Sparkling pink with silver tones. True globe-shaped flower on a strong-growing plant. Midseason. \$2 each, \$5.75 for 3, \$22 per doz.

YELLOW SHADES, DOUBLE.

Primevere. Sulphur-yellow center and creamy guard petals. Midseason. \$3.50 each, \$10 for 3, \$38.50 per doz.

DOUBLE PEONIES TO COLOR. White, Red, Pink, and Mixed. \$1 each, \$2.50 for 3, \$8.50 per doz., \$67.50 per 100.

SINGLE AND ORIENTAL PEONIES.

These beautiful Peonies, while not so well known, are of great merit. In the center of the wide-open flowers, stamens are often turned to modified petals.

Cathedral. (Oriental.) Dark rose, pink outer petals, with a center of pale pink petaloids.

Constance. (Oriental.) Pink with bright yellow center.

White Mountain. (Oriental.) Snow-white with a central cluster of yellow petaloids.

Sunkist. (Oriental.) A striking carmine with vivid orange-pink petaloids.

Nymph. (Single.) Large flesh-colored petals with a central tuft of golden stamens.

Above \$1.50 each, \$4.25 for 3, \$16.50 per doz.

The Glorious Tree Peony on page 74



Pachysandra terminalis

The Glorious Tree Peony

Actually shrubs, every May and June they are covered with blossoms that are enormous, yet graceful, and often with crepe-paper-like crinkled petals; and all have a delicious fragrance.

We supply grafted, guaranteed roots, the naturally small size of which has little bearing on the spectacular bushes that result from them. Mulch with leaves the first winter, after which they need no protection.

JAPANESE VARIETIES. Up to 6 feet. \$8.50 ea.

Adzuma Kagami. Bright scarlet-crimson.

Flora. Transparent white; semi-double.

Gioku senshiu. Bright carmine-rose; semi-double.

Godaishu (Large Globe). Magnificent full double; white.

Hakugan. Large, double; white, pink base.

Hana daigin (Flower like Ministry). A very attractive violet-purple.

Hino Tsukasa (King of the Scarlets). Semi-double; scarlet. Excellent flower.

Hodai (Reign of Chinese Emperor). Rose-red; immense full double. Very popular.

Iro-no-seki. Deep salmon-pink; full double.

Konron Koku (Land of Konron). Pansy-violet shaded maroon; double.

Momoyama (Mountain of Peach Orchard). Exquisite peach color; full double.

Nissho (Sunbeam). Intense glistening scarlet of immense size; full double. Highly recommended.

Ruripan (Ultramarine Light). Semi-double; satiny dark red.

Shintenchu (New Heaven and Earth). Very pleasing shell-pink, double flowers with thick satiny petals. Gorgeous.

Taiyo (Great Emperor). Refreshing bright red; enormous, with thick satiny petals. One of the best.

Tama Fuyo (Jeweled Lotus). Blush; double, free flowering.

Tama Sudare (Jeweled Screen). One of the best whites. Enormous full double flower of rare beauty.

Yachiyo Tsubaki (Heavenly Camellia). Gorgeous medium-sized deep pink.

Yaso Okina (Aged Man). Large, double; white, pale pink base.

EUROPEAN VARIETIES. Up to 6 ft. \$8.50 ea.

Bijou de Chusan. White; large, full double.

Comtesse de Tudor. Full double; deep pink.

Jeanne d'Arc. Large, double; light pink.

Mme. Edouard Seneclauze. Gorgeous red; large, double.

Mme. Stuart Low. Rose-salmon shadings.

Reine Elizabeth. Salmon-pink.

LUTEAS. 3 feet. \$10 each.

Chromatella. Pure sulphur-yellow; large, double.

L'Esperance. Clear primrose-yellow.

Mme. Louis Henry. Cup shaped; buff-pink shaded salmon.

Satin Rouge. Full double, immense; blood-red.

Souvenir de Maxime Cornu. Very large, double; deep yellow.

Surprise. Straw-yellow, salmon and purple blend; double.

Herbaceous Peonies on page 73.



Physostegia virginiana

PHLOX decussata

Hardy Garden Phlox

These beautiful plants are the mainstay of the garden in July and August. There are hundreds of varieties available today; the selection here includes the finest, and none choicer are obtainable.

Four Fine Varieties

Chesapeake. Patent applied for. Grows only 15 inches high, bearing large heads of flowers, tyrian rose in color, with a silvery white reverse. Florets are 1½ inches across, and long lasting. Compact, dark green plants, especially valuable in midsummer. Fine in the rock-garden. 75 cts. each, \$2.15 for 3, \$8.25 per doz.

A. L. Schlageter. Scarlet-red. Mid-season and very good. 2½ ft.

Mary Louise. The best white Phlox. Perfect in every way. Late. 2½ ft.

Prime Minister. White with red eye. Midseason. 2 ft.

Catherine. Soft lavender, with no trace of magenta. Absolutely the best in its color-range. Midseason. 2½ to 3 ft.

Daily Sketch. Salmon-pink; large flowers. Midseason. 2½ ft.

Eva Foerster. Salmon-pink, with light eye. Extremely large. Late. 2 ft.

Flash. Cherry-carmine. Very striking and distinct. Midseason. 2 ft.

Orange Beauty. Orange-red. Late. 2½ ft. Mixed. Our selection from the above.

Each, \$1.75 for 3, \$6.75 per doz.

COLLECTIONS:

9 plants, 1 each above varieties... \$4.75
27 plants, 3 each... \$13.00
108 plants, 12 each... \$45.00

PHLOX suffruticosa, Miss Lingard. Flowers in June and continues on through summer. Large; white. 2½ ft.

PHLOX divaricata Laphami. ★ Trusses of large, fragrant, lavender-blue blooms in May. 9 in.

PHLOX subulata. Ground Pink; Flowering Moss; Moss Pink; Mountain Pink. ★ These well-known plants, with pretty moss-like evergreen foliage, are most suitable for clothing banks, and for all situations in the rock-garden. All are May-flowering. 3 to 6 in.

Alba. Pure white.

G. F. Wilson. Mauve.

Rubra. Crimson.

Vivid. Deep pink.

PRICES, unless otherwise noted, \$1.35 for 3, \$5 per doz., \$35 per 100.

Purchaser pays transportation.

★ Dwarf plants for the Rock-Garden and edging the Perennial Border



Phlox subulata



Platycodon grandiflorum

Pentstemon

Beard-Tongue

Give a sunny position in well-enriched soil, and they will glorify your garden for years.

Firebird. Flowers are a fine rich scarlet. In bloom all summer and fall. 2 ft. \$1.50 for 3, \$5.50 per doz.

PHYSTOSTEGIA. False Dragonhead.

Summer Snow. Novelty. A fine, new, pure white type. An excellent border plant, effective from midsummer to fall. \$1.50 for 3, \$5.50 per doz.

Virginiana. Large clumps and long spikes of tubular pink flowers. 3½ ft. July.

ORIENTAL POPPIES

Papaver orientale

These handsome large-flowered Poppies have few rivals among hardy plants. Their striking foliage and glowing flowers are effective where a vivid splash of color is required in June and July. We offer pot-grown plants which can be moved at any time.

Cerise Bedder. Rich sparkling cerise flowers 4 to 6 inches across with two rows of petals. Fine for cutting.

***Grand Mogul.** Crimson-scarlet flowers, 4 to 6 inches in diameter. 2½ ft.

Little Shrimp. ★ A miniature variety. Small, pale pink flowers in profusion. Good for rock-gardens. 1 ft.

***Perry's White.** Immense; pure satiny white with a crimson-maroon blush. 3 ft.

***Pink Lassie.** Pale pink; large.

Purity. Soft shell-pink, with no spots or markings. Very fine.

Seashell. Light pink; delicate texture.

All above Oriental Poppies, 85 cts. each, \$2.25 for 3, \$7.50 per doz.

COLLECTIONS:

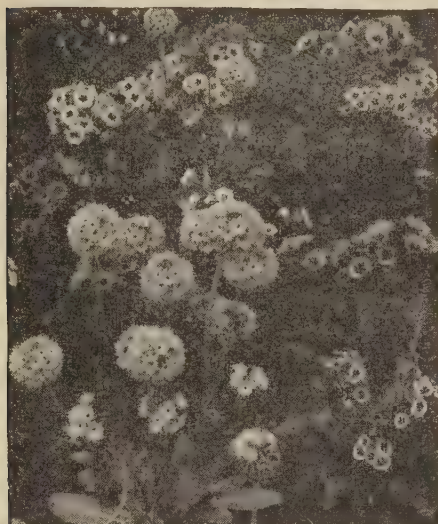
3 plants, 1 each variety marked *... \$2.35
9 plants, 3 each... \$6.25
18 plants, 6 each... \$10.50

PLATYCODON. Balloon Flower; Bell-flower. Cup-shaped, 2-inch flowers through summer and autumn.
Grandiflorum. Steel-blue. 1½ ft.
Grandiflorum album. White with pale blue tinge. 2 to 2½ ft.

PLUMBAGO Larpentæ. Leadwort. ★ A late-flowering dwarf perennial which makes a compact mound, smothered with sky-blue flowers in September and October. 6 to 9 in.

TEST YOUR SOIL and find out exactly what plant-foods it needs.

With The HORTICULTURAL KIT you can examine sixty soil samples. The cost? Only \$12.50



A mixed planting of Hardy Primulas assures a brilliant show in early summer.

PRIMULA • Primrose

★ For the rock and alpine garden, around the pool, for the semi-shady garden, for brightening up woodland walks, dells, or any place where the plants will be cool at the roots.

Elatior, Mixed. The choice flowers are borne in clusters on stout stems. All colors and shades. 6 to 9 in.

Denticulata. Long foliage and globular heads of lavender flowers. One of the prettiest of Primulas. 1 ft. April, May.

Japonica, S. & W. Co.'s Strain. Candellabra habit, very vigorous in growth. Handsome crinkly foliage and tall spikes of flowers in whorls. White, pink, coppery red and crimson, mixed. 2 ft. June, July.

Officinalis. The real old English Cowslip in mixed colors. 1 ft. May.

Wanda. A mat-forming Primula with dark green foliage and a profusion of rich purple flowers with golden eyes, on 3-inch stems. 4 in. May.

All Primulas, \$1.50 for 3, \$5.50 per doz.



Rudbeckia, The King

PRICES, unless otherwise noted, \$1.35 for 3, \$5 per doz., \$35 per 100. Purchaser pays transportation.

★ Dwarf plants for the Rock-Garden and edging the Perennial Border

PYRETHRUM. *Painted Lady.* Grand border plants of the Daisy family. They all flower in June and July. 2 to 2½ ft.

Single, Mixed. Reds, whites, and pinks, with yellow centers. Very vigorous.

RUDBECKIA. *Coneflower.* Bright border plants of easy culture in any garden soil.

Golden Glow. Rich double yellow flowers, good for cutting. 5 to 6 ft. Aug.

Purpurea. A striking flower of purple color with a brown cone-shaped center. 3 to 4 ft. July-Oct.

The King. Deep crimson flowers. 3 ft. July-Oct. \$1.50 for 3, \$5.50 per doz.

White Lustre. Starry blooms are pure white, with a center cone that is brass-color. Three-foot stems make this fine cut-flower an imposing subject for the border. Give it a sunny position. \$1.50 for 3, \$5.50 per doz.

SALVIA

Meadow-Sage; Clary

A fine plant of branching habit, smothered with flowers in late summer and autumn.

Farinacea. Spikes of powder-blue. 2 to 2½ ft. July-Sept.

SANTOLINA. *Lavender Cotton; Ground Cypress.* ★ Dwarf sub-shrubs which hold their leaves in winter. They are

excellent for edgings or for the rock-garden, and can be clipped every year. The foliage is most attractive and very aromatic.

Incana. Very compact, with beautiful silvery gray foliage with the appearance of bunched coral. Yellow flowers in July. 6 to 9 in.

SCABIOSA

Scabious; Pincushion Flower

A fine perennial needing a rich soil which is slightly alkaline. Large flowers borne on long, wiry stems make it fine for cutting.

Caucasica, Giant Hybrids, Mixed (Isaac House Strain). Striking plant for every hardy border. Delicate lilac and mauve predominate, but pure white and even dark blues often occur. 2 ft. July-Sept. \$1.50 for 3, \$5.50 per doz.

SEDUM • Stonecrop

Foundation of many early rock-gardens, and no rock-garden today is complete without some of the species mentioned.

Acre. ★ Green foliage. Bright yellow flowers. 3 in. June.

Lyodium. ★ Pink. 2 in. June.

Middendorffianum. ★ Excellent matting variety, 4 inches high; yellow flowers. Beautiful reddish purple foliage in autumn.

Sieboldi. ★ Rose-pink. 9 in. Aug.

Spectabile. A very pretty erect-growing species 18 inches high, with light green, fleshy foliage and large heads of pink flowers. Sept., Oct.

SEMPERVIVUM. *Houseleek; Live Forever.*

★ Evergreen succulents resembling Sedums. The leaves are often brightly colored at the base; some are covered with a white cobwebby substance.

Mixed Seedlings. Choice selection of all shapes and sizes. 3 to 4 in. high.



Silene Schafta

SILENE. *Catchfly; Campion.*

Schafta. ★ One of the best autumn-flowering rock-plants. It blooms in October when flowers are scarce in the rockery. A compact plant with bright rose-pink flowers. 6 in.

STOKESIA, Lavender Queen. *Stokes'*

Aster. A marvelous plant with a compact growth of basal leaves, from which arise the flowers on stems 18 to 20 inches long. These are often 5 inches across, and are of a silvery blue color with a lilac suffusion at the center. \$1.50 for 3, \$5.50 per doz.

SWEET WILLIAM

Dianthus barbatus

These brilliantly colored old-fashioned garden plants are as indispensable today as ever. They give a wealth of bloom in June.

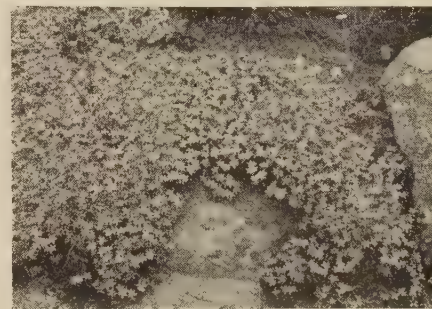
Auricula-eyed. Chiefly reds and pinks; all have a pronounced white eye. 1½ ft.

Pink Beauty. A sparkling crushed strawberry-pink.

Scarlet Beauty. A vivid scarlet. Very choice and effective. 1½ ft.

THALICTRUM. *Meadow Rue.* Extremely graceful foliage not unlike a maidenhair fern, and dainty flowers in profusion.

Glaucum. This we recommend especially as it has blue-green foliage, finely divided, and heads of sulphur-yellow, fluffy flowers. 4 ft. July.



Sedum acre



Tritoma Pfitzeri

TEUCRIUM Chamaedrys. *Germander.* ★ A dwarf sub-shrub with glossy green foliage and bright rose flowers, for edging borders and paths. 1 ft. Aug.

THERMOPSIS caroliniana. Striking plant, 5 feet high, with large, yellow, pea-shaped flowers in July.

THYMUS • Thyme

★ These charming, fragrant plants are mostly of dwarf, spreading habit and are unexcelled for dry, sunny banks where grass is difficult to establish, and for various positions in the rock-garden. When planted in the crevices of walks, they give off a fragrant aroma when walked on, and are a sheet of blossoms in June and July.

Serpyllum. *Mother of Thyme; Creeping Thyme.* The wild Mountain Thyme of creeping habit, with rosy purple flowers. 2 in. June.

Serpyllum albus. Decidedly miniature foliage of light bright green with pure white flowers. 1 in. June.

Serpyllum coccineus. Very dark reddish green foliage, making a perfect mat like the above, but with brilliant crimson flowers. 1 to 2 in. June.
See also **Herbs** on page 24.

TRITOMA

*Torch Lily; Flame Flower;
Red-Hot Poker*

Easily grown anywhere, in full sun. They have strong grass-like foliage from which arise spikes of flowers from July to September.

Pfitzeri. *Everblooming Tritoma.* Bright orange-scarlet flowers with salmon-rose edges. Fine for cutting. 3 ft.

S. & W. Co.'s Hybrids. A grand mixture of yellows, flame-reds, burnt-orange, etc.

Above, each, \$1.50 for 3, \$5.50 per doz., \$40 per 100



Veronica longifolia subsessilis

VERBENA • Vervain

Give an open, sunny exposure. Protect with a covering of leaves over winter.

Maonetti. ★ Pink and white striped flowers on a trailing plant. Blooms all summer. 6 in.

VERONICA • Speedwell

Free-flowering plants, for the rock-garden and border.

Incana nana. ★ A compact plant with beautiful silvery foliage and spikes of brilliant blue flowers. 6 to 9 in. July, Aug.

Longifolia subsessilis. Long spikes of deepest blue. 2 to 3 ft. July.

Spicata. Border plant with spikes of blue flowers from July to September. 2 ft.

The Welcome Gift

Of our thousand of merchandise items, many make ideal **PRESENTS** for anniversaries, birthdays, Easter, Mother's Day, Christmas or merely to say "thank you"—a collection of seeds, new dahlias, perhaps; roses, perennials, Epicure foods or some garden gadget.

VINCA

Periwinkle; Old Maid; Myrtle ★

Grand ground-covers for shade.

Minor alba. White flowers; dark foliage.

Minor, Bowles Variety. A greatly improved form. Always in bloom, the flowers being very large and clear blue.

Above Vincas, 3 for \$1, \$3.50 per doz., \$25 per 100, \$225 per 1000



Vinca (Periwinkle)



Yucca filamentosa

VIOLA odorata

Sweet Violet

★ The Violets listed below are splendid for cutting. The double Violets should be afforded some protection in winter.

Royal Robe. Deepest violet-blue; deliciously fragrant, large, flat; single blooms. \$1.50 for 3, \$5.50 per doz., \$40 per 100.

Rosina. Single, very fragrant flowers of dark rose-pink.

Frey's Fragrant. Single. Flowers 1/2 to 3/4 inch in diameter. Rich, deep purple. Blooms in April and again in the fall.

Snow Queen. Dozens of large white Violets on long stems. Spring flowering.

VIOLA cornuta • Tufted Pansies

★ These flower all spring and early summer. Cut them back in August, and they bloom again in autumn. They like a cool, well-drained soil and plenty of sun; a mulch of peat moss is beneficial during hot weather.

Jersey Gem. The rich violet-hued flowers are like pansies but smaller. However, they are perennial and very sweetly scented. Plant them in rock-gardens, borders, and paths. 6 to 9 in. May until fall

Arkwright Ruby. Ruby-red.

Chantryland. Apricot.

White Perfection. White.

Yellow Queen. Yellow.

COLLECTIONS:

5 plants, 1 each of above.....\$2.15

15 plants, 3 each of above.....\$6.25

YUCCA filamentosa. *Adam's Needle.* Spikes of evergreen foliage with creamy white flowers on 6-foot stems. Requires full sun and a calcareous soil. Fine for tubs and terraces and for planting in positions where boldness is required.

PRICES of Hardy Perennial Plants, unless otherwise noted, \$1.35 for 3, \$5 per doz., \$35 per 100

★ Dwarf plants for the Rock-Garden and edging the Perennial Border

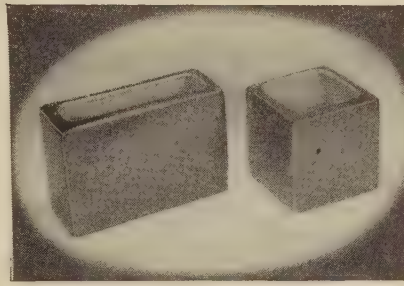
Practical Gifts for Home and Garden



PLANT-A-PLATE

Philodendron or Ivy gracefully garlands your prized plants, securely held by four spring arms, adjustable 8 to 10 inches (square or round.) Leak-proof enameled aluminum container holds earth or water for plants or cut flowers. Each, **\$1.50**.

With Currier & Ives print plates, as illustrated, **\$3.50**. Plates separately, 8 Currier & Ives subjects, **\$2 each**



BLACK CUBIC CERAMICS

with rich turquoise linings from the master potters of Frankoma. You'll treasure their utilitarian features quite as much as their unusual beauty. Square, $4\frac{1}{2}$ inches all ways, **\$1.25**. Oblong, $7\frac{3}{4}$ x $2\frac{1}{4}$ x 5 inches high, **\$1.50**.



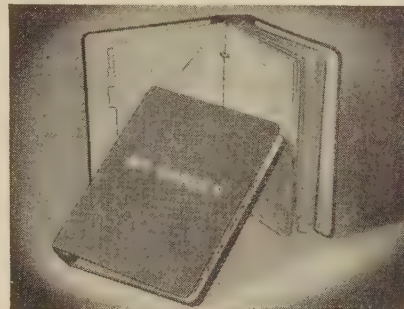
ENAMEL WATERING CANS

Highly polished brass with cloisonne (enameled) sides. Pt. size, individually boxed **\$1.95**, qt. size **\$3.50**.



3-PIECE BOWL and FIGURE SET

Of gay California pottery. Fluted edge bowl, autumn leaf brown or hunter green. About $10\frac{1}{2}$ x 9 inches. Fawn removable. Plastic base needle holder for flower arrangements. The set, **\$1.95**.



GARDENERS' SCRAPBOOK

with generous-size manila envelopes and loose-leaf pages for paste-ups of all the garden data you want to have readily available. Substantial alphabetical index pages divide the material and contain practical garden information. $5\frac{1}{2}$ x $8\frac{1}{2}$ inches; board cover in green simulated leather finish.

RECIPE BOOK

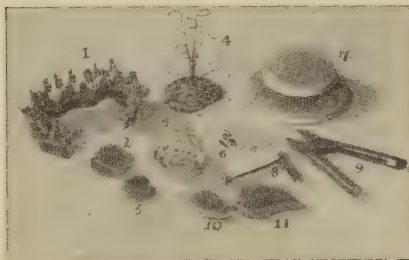
Same construction as the Garden Book but the simulated leather cover is red. Each **\$1.50**, plus **25 cts.** for shipping.



EXTRA LONG FLOWER CUTTER

Reaches way back, cuts desired bloom and HOLDS it securely. Aluminum with steel knife worked by thumb action lever. **\$3.50**.

INSET: Nicked Steel Cutter-Holder Shears 7 inches overall, **\$3.95**.



FLOWER-ARRANGERS' ACCESSORIES

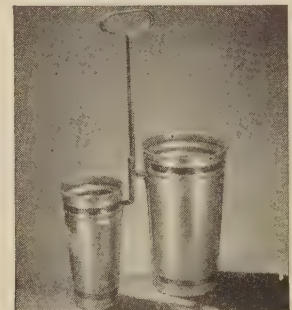
to use with fresh flowers or dried arrangements

1. Coronet flexible rust-proof holder. For stems up to $\frac{1}{4}$ inch **\$1.00**. For stems to $\frac{3}{8}$ inch **\$1.25**.
2. Geranium Leaf needlesharp holder, 2-inch heavy lead base. **\$1.00**.
3. Plain needlesharp holder, $1\frac{1}{2}$ -inch heavy lead base. **40 cts.**
4. Spray type holder, adjustable wire fronds, 3-inch green base. **\$1.00**.
5. Dome type silver lacquered holder, comes in set only, including 2 needle holders, $1\frac{1}{2}$ x $2\frac{1}{2}$ inches. All 3 items in box. **\$1.50**.
6. Bridge-shaped lucite holder; has suction cup to grip vessel. **\$1.00**.
7. Round or oval-shaped (not shown) needlesharp holders, rust-proof heavy metal. Round 4 inches, **\$3.00**, 6 inches, **\$4.00**. Oval, $1\frac{1}{4}$ x $2\frac{3}{4}$ inches. **95 cts.**
8. Florists' Knife with 2-inch stainless steel blade. White plastic handle with loop for chain or belt. **\$1.50**.
9. Snap-cut shears for woody stems, 6 inches long. **\$1.75**.
- 10-11. Interlocking leaf design needlesharp holders usable separately or fitted together as one. **\$2.25**.



GARDEN GLOVES

Heavy white cotton twill with close-fitting green knitted band and white fringed cuff. Colorful bow-knot flowers on back. Fits all hands. Pr. **\$1.00**.



FLOWER-GATHERING PAIL

Put flowers in water the minute they're plucked—they'll last longer. Convenient double-pail arrangement for both long and short-stemmed blooms; one pail $12\frac{1}{2}$ inches high by $6\frac{1}{2}$ inches in diameter and the other $10\frac{1}{2}$ inches high by $4\frac{1}{2}$ inches in diameter. Center handle eliminates much stooping. Well constructed of green painted galvanized tin. **\$6.50**.



DECORATIVE PLANT STAND

Show off your favorite house plants on this handsome three-tiered, wrought-iron stand. Its graceful lines make it a beautiful decorative piece as well as the perfect setting for your indoor garden. Sturdily constructed with easy-to-clean enamel finish. $34\frac{1}{2}$ inches high, $24\frac{1}{2}$ inches wide, $22\frac{1}{2}$ inches deep. **\$12.50**.

Customer Pays Transportation on all items on this page

The Gardener's BOOKSHELF

1001 Garden Questions Answered. A. C. Hottes. Revised edition. 386 pages. \$3.

Ten Thousand Garden Questions answered by fifteen experts. Editor F. F. Rockwell; associates, M. Free, T. H. Everett, and E. C. Grayson. 1400 pages, 400 illustrations, \$4.95.

All About House Plants. M. Free. Plants for all conditions, their culture, care and propagation. Orchids in your home. Miniature gardens. Aquatics indoors. Wildflowers that will live in the house. 350 pages, 17 color plates, 100 other illustrations. \$3.50.

The African Violet. Helen Van Pelt Wilson. Practical, enthusiastic treatment of a fine "hobby plant." \$2.75.

Book of Annuals. A. C. Hottes. 100 species of annuals described, with directions for their culture and use. 180 pages, 122 illustrations, \$2.

Book of Bulbs. Rockwell. Most practical book. 264 pages. 187 photos and drawings. \$4.

The Complete Book of Flower Arrangement. F. F. Rockwell and Esther C. Grayson. The flower-arranger's Bible. 89 full-color reproductions, 112 photographs and drawings. 320 pages. \$4.95.

Commercial Floriculture. Fritz Bahr. General Review of the florist business. 648 pages, 327 illustrations. \$6.

Flower Garden for the Amateur. A. C. Hottes. New. Tells how, when and where to plant and grow annuals, perennials, bulbs, roses, shrubs. \$2.95.

Gardener's Bug Book. Dr. Cynthia Westcott. A manual of insect-pest control; complete, accurate and up to date. 590 pages with 100 authentic life-history illustrations in full color and 100 line drawings. \$4.95.

Garden Guide. By 28 Specialists. Most popular general garden handbook. 576 pages, 300 illustrations. \$3.50.

GERANIUMS. Helen Van Pelt Wilson. Expertly discusses varieties, growing habits and care of this popular plant. 248 pages. \$3.50.

Herbs for the Kitchen. Irma Goodrich Mazza. A full description of the common herbs and their uses; how to plant, propagate, cultivate and gather them, as well as a wealth of unusual cooking information. 359 pages. \$2.50.

The Home Book of Trees and Shrubs. Levison. New, completely revised edition by nationally famous landscape architect. Lavishly illustrated; beautifully printed. 550 pages. \$10.

How to Beautify and Improve Your Home Grounds. Henry B. Aul. Just published. Provides plans and sketches for every type area. A necessity for anyone who wants a garden—not just a yard. 320 pages. \$3.50.

How to Grow Roses. McFarland and Pyle. A new edition of the best-known book on practical rose-growing. 180 pages. \$2.49.

The Iris. Second edition of this best book on the subject, written by 16 experts of the American Iris Society. 224 pages packed with Iris lore, interesting and helpful information. Cloth bound. \$2.50.

Make Friends with Your Land. Leonard Wickenden. Delightfully written, scientifically accurate proof of the efficacy of organic methods, as tested on the author's farm. This book is for every gardener and farmer. 144 pages. \$2.50.

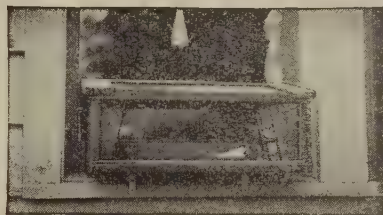
Soils and Fertilizers for Greenhouse and Garden. Laurie and Kiplinger. For specific crops; water and nutrient supply, sterilizing, cover-crops, composts, etc. 119 pages. Illustrated. \$2.50.

The Weekend Gardener. Dorothy H. Jenkins. The Garden Editor of the *N. Y. Times* simplifies gardening and emphasizes the pleasure to be gained from this hobby. 288 pages. Available Feb. 15. \$2.75.

Books are mailed post-free at prices given.

Other Books Obtainable on Request.
Send Title and Author.

Attract Your Feathered Friends With Rustic Houses and Feeders



"Sky-Lite" Bird Feeder

You'll get plenty of regular customers with this well-built feeder. Hinged glass roof permits close observation and protects the food from the weather. Made of pine, stained brown. Built-in wood suet rack and seed hopper. Perfect gift to bring long hours of enjoyment to shut-ins.

Large size, 22 1/2 in. long. \$6 60
Small size, 17 in. long. 4 85
(No. 124.)

Suet Rack

Newly designed suet rack is self-closing. It always holds the cake firmly as it is eaten. Your feathered friends can now enjoy their meals to the last crumb. Easy to put up . . . will hang anywhere. Attractively packed complete with Bishop Wild Bird Cake. \$1.50.



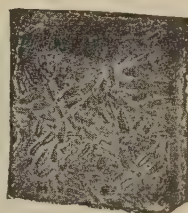
Suet Rack

This extremely popular model is made to hold a Bishop Wild Bird Cake. Rack is of pine with a bark roof to protect the food from the weather. Height: 10 inches. Rack only, \$1.45. (No. 101.)



Sawco Suet Cakes

A well-balanced bird food of seeds, berries and fruit especially adapted to wild life, molded into pure wholesome beef suet. Place one of these suet cakes where birds have access to it. 3 for \$1.00.



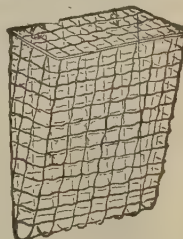
Sawco Wild Bird Mixture

One of the finest mixtures of seeds and food ingredients for wild birds obtainable. We have spared nothing to make this mixture attractive to all wild bird life.

5 lbs. \$1.00
25 lbs. \$4.50
100 lbs. \$16.00

Wire Suet Basket

For feeding suet or Wild Bird Cake. Easily hung on trees, arbors or fences. Galvanized to prevent rusting. In the spring these baskets may be used to offer nesting materials. Height: 6 inches. 70 cts. (No. 114.)



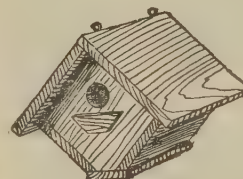
Wren House

A very successful rustic home sturdily built of hemlock. It is intended to be hung from the branch of a tree. The roof is fastened with screws so that the house may be opened for cleaning. Length: 8 inches. \$2.70 (No. 1.)



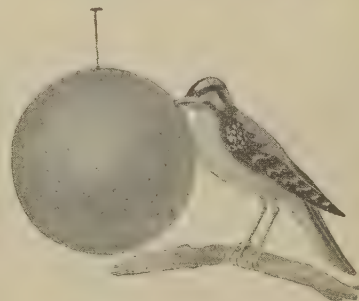
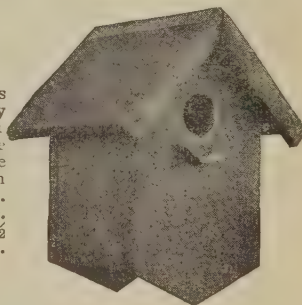
Wren House

An attractive home of simple, yet pleasing design. The bottom may be opened for cleaning by simply loosening two screws. Size: 7 1/2 inches. \$1.60 (No. 30.)



Bluebird House

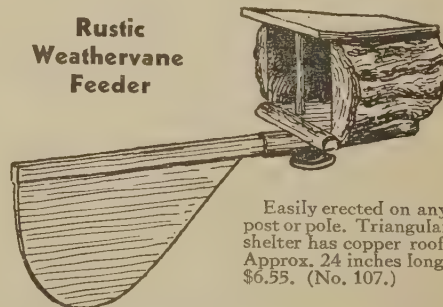
This house is especially suitable for blue birds. May be mounted on pole or hung from tree branch. Hinged side. Height: 10 1/2 inches. \$3.20. (No. 7)



Peanut Butter Balls

A life-sustaining food for wintering birds. A complete food, containing vitamins, carbohydrates, proteins, oil, minerals, starch, etc. May be hung from branch or at window where you may watch your visitors at close range. Set of four \$1.50.

Rustic Weathervane Feeder



Easily erected on any post or pole. Triangular shelter has copper roof. Approx. 24 inches long. \$6.55. (No. 107.)

HARDY SHRUBS

ALMOND. *Amygdalus (Prunus) triloba*. Fragrant pink flowers are borne on slender branches during May. Ten feet high when mature. We supply 2 to 3-ft. plants. \$1.50 each, \$4 for 3, \$15 per doz.

Azalea

These beautiful compact evergreen shrubs are ideal for including in a foundation planting. Foliage is hidden under a wealth of bright flowers in early June.

Amoena. Leaves become bronzy in winter. Flowers rose-purple. 10 to 12 in., *B&B, \$3 each, \$8.25 for 3, \$30 per doz. 12 to 15 in., *B&B, \$4.50 each, \$12.75 for 3, \$45 per doz.

Calendulacea. *Flame Azalea*. Two-inch flowers are orange-scarlet. 2 to 3 ft., *B&B, \$7.50 each, \$21.50 for 3.

Hinodegiri. Brilliant crimson-scarlet; a clear handsome shade. 10 to 12 in., *B&B, \$3.50 each, \$9.75 for 3, \$35 per doz. 12 to 15 in., *B&B, \$5 each, \$13.75 for 3, \$50 per doz.

BEAUTY EUSH. *Kolkwitzia amabilis*. Mature plants appear like a beautiful pink cloud when in flower. Attains 4 to 6 feet. We offer 2 to 3-ft. bushes, \$1.50 each, \$4 for 3, \$15 per doz.

Butterfly Bush • Buddleia

Most desirable shrubs beginning to bloom in July and continuing until frost. Flowers are borne in dense, cylindrical spikes. Plants are in pots.

Charming. Large lavender-pink flower trusses produced abundantly throughout the summer. Grows 4 to 6 feet.

Orchid Beauty. Splendid new variety of a soft cattleya-lilac, with a brilliant orange eye.

Purple Glory. Rich, dark purple. Free flowering.

Royal Red. A fine addition to this glorious family.

Above 4, 75 cts. each, \$2 for 3, \$7 per doz.

COLLECTION: One each of the above 4 Buddleias, \$2.75

Peace. Patent 706. An improved Butterfly Bush. The flower-spikes are a rich shining purple, and each floret has its orange-gold center. Bigger plant, with larger blooms than seen hitherto. A beauty that is ideal for cutting. \$1.50 each, \$4 for 3, \$15 per doz.



Azalea calendulacea

CAROLINA ALLSPICE. *Calycanthus floridus*; *Sweet Shrub*; *Strawberry Shrub*. 5 to 6 ft. Chocolate-colored flowers of wonderful fragrance. 3 to 4 ft., \$1 each, \$2.75 for 3, \$10 per doz.

CHASTE TREE. *Monks' Pepper Tree*; *Vitex macrophylla*. Matures at 5 to 6 feet. Spikes of beautiful lavender-blue flowers in late summer against the star-like gray-green leaves. Place a layer of Mulch-o-Nure on the soil above the roots in December. 2 to 3-ft. plants, \$1.50 each, \$4 for 3, \$15 per doz.



Chinese Hybrid Chestnut

Low, spreading tree which should begin to bear three years after planting. Nuts are of excellent roasting or stuffing quality.

The scientist's answer to blight, which has killed native Chestnuts in the Northeast.

Any good loamy soil will grow them, provided it drains well. Best planted in threes, neighbors cooperating by planting one or two, where necessary; this is to insure pollination.

Two-year saplings, 3 to 4 ft., \$2.75 each, \$7.25 for 3, \$27.50 per doz.

French Hybrid Lilacs

Larger flowers, and more striking colors.

SINGLE VARIETIES

★ **Charles X.** A profuse bloomer, splendid for cutting. Flowers violet-purple.

★ **Marie Legraye.** Creamy white.

DOUBLE VARIETIES

Belle de Nancy. Satiny pink flowers, each with a white center.

Michel Buchner. Pink-lilac blooms.

Mme. Lemoine. Beautiful white.

★ **President Grevy.** Soft delicate violet-blue.

Above 6, \$2 each, \$5.50 for 3, \$20 per doz.

COLLECTION: 3 bushes, one each marked ★ \$5.50

12 bushes, four each marked ★ \$20

CRAB, Bechtel's. *Malus ioensis*. Double-flowered Prairie Crab-apple. Showy tree, maturing at 30 ft. 2 to 3 ft. \$2.50 each, \$7 for 3, \$25 per doz.

Hopa. An outstanding Japanese Crab, with bright pink, fragrant flowers. It is shown on page 82. \$1.75 each, \$5 for 3, \$19.25 per doz.

DEUTZIA, Pride of Rochesetr. Fine, tall, double white variety, maturing at 10 feet. 3 to 4-ft. bushes, \$1 each, \$2.75 for 3, \$10 per doz.

DOGWOOD. *Cornus*.

Florida. Grows to 25 feet. Beautiful white flowers in early spring, followed by red fruits in autumn. 4 to 5-ft. saplings, *B&B, \$10 each.

Florida rubra. Grows to 20 feet. The pink form of the above. 4 to 5-ft. saplings, *B&B, \$15 each.

FLOWERING QUINCE. *Cydonia japonica*.

Blooms profusely in early spring; bright scarlet. 4 to 5 feet high when mature. 2 to 3-ft. plants, \$1 each, \$2.75 for 3, \$10 per doz.

GOLDEN BELL. *Forsythia spectabilis*. Bright yellow flowers burst into bloom at the beginning of spring while the bush is otherwise bare. 7 to 8 feet high when mature. 3 to 4-ft. bushes, \$1 each, \$2.75 for 3, \$10 per doz.

Spring Glory. A new and much improved variety shown in color on page 81. \$1.50 each, \$4 for 3, \$15 per doz.

GOLDEN CHAIN. *Bean Tree*; *Laburnum*.

Vossi. Grows to 15 feet or higher. Green-barked tree with hanging clusters of golden yellow pea-flowers. Imagine a yellow wisteria that does not climb. Will stand partial shade. Pods and seeds are poisonous. Striking plant, covered with blooms in May and June. 5 to 6-ft. saplings, \$6 each, \$17.25 for 3.

HYDRANGEA arborescens grandiflora. *Hills of Snow.* Reaches 10 feet. Large ball-clusters of snowy white flowers. 3 to 4-ft. plants.

Paniculata grandiflora. The flowers, borne in dense, pyramidal panicles a foot long, are white when they first open but gradually change to rose-purple, and are semi-everlasting. 8 to 9 feet high when mature. 3 to 4-ft. plants.

Above 2, \$1.75 each, \$4.75 for 3, \$17.50 per doz.

Blue Hydrangea

Hydrangea macrophylla. Ordinarily the flowers are pink; but in acid soil, pH 5.5 or under, and in the presence of aluminum, they are gentian-blue. When planting, place around the roots good soil with which 1/2 lb. aluminum sulphate has been mixed with each bushel. If blue color does not develop, rake in annually 1 lb. aluminum sulphate per 10 sq. ft. until it does. 3 ft. \$2 each, \$5.50 for 3, \$20 per doz.

LILAC. *Syringa*. Spring-blooming shrubs loved by everyone. They will thrive almost anywhere, and mature at 12 feet. Single-flowered varieties, 3 to 4 ft.

White \$1.50 each, \$4 for 3, \$15 per doz. **Purple**

MOUNTAIN ASH. *Sorbus aucuparia*. Fast-growing tree, maturing at 60 feet; bears small bright scarlet fruits. Birds like them. Shown in color on page 82. 4 to 5 ft. saplings. \$3 each, \$8.50 for 3, \$33 per doz.



Buddleia



Chaste Tree



Weigela



Wisteria

MORE HARDY SHRUBS

MOCK-ORANGE. *Philadelphus*. This old-fashioned sweet-scented shrub will grow in almost any kind of soil, and is tolerant of partial shade.

Coronarius. This variety has large white flowers in early summer. 10 feet high when mature. 3 to 4-ft. plants, \$1.25 each, \$3.50 for 3, \$12.50 per doz.

Mont Blanc. Graceful dwarf shrub, growing to not more than 3 feet, covered in early summer with dazzling white flowers. 2 to 3-ft. plants, \$1.25 each, \$3.50 for 3, \$12.50 per doz.

Virginalis. 8 ft. Without doubt, the finest variety. Large, semi-double flowers of haunting fragrance. June. 2 to 3-ft. plants, \$1.50 each, \$4 for 3, \$15 per doz.

MAGNOLIA Soulangeana. Tree grows to 20 feet or more; beautiful in spring when covered with its enormous pink-white flowers. Very hardy. 3 to 4-ft. plants, *B&B, \$15 each.

PRUNUS, Japan Rosy Red (Kwanzan). *Flowering Cherry.* Bushy, upright growth. Large, double flowers on long stems. Foliage in spring has a coppery hue. 4 to 5 ft. \$5 each, 3 for \$13.50, \$50 per doz.

Rosebud Cherry. Beautiful weeping tree with a profusion of light pink flowers. 5 to 6 ft. \$8.50 each, 3 for \$23.50.

Pissardi rosea. *Purple-leaved Flowering Plum.* The tree has clouds of single, pink flowers in spring. Its dark foliage all season also makes it an outstanding subject for a shrubbery planting. Matures at 10 feet. We offer 3 to 4-ft. plants, \$3 each, \$8 for 3, \$30 per doz.

Pissardi Veitchi. Hardier than Flowering Cherries and consequently is useful for difficult localities. The pink flowers are double; leaves are bronze-green. The small fruits are edible. Matures at 15 feet. We offer 2 to 3-ft. plants, \$2.50 each, \$7 for 3, \$25 per doz.

PRUNUS, continued

Double-Flowering Peach, Charming. An effective tree all year, but in spring it is a bouquet of large, double, rose-pink flowers. We offer 3 to 4-ft. saplings, \$2 each, \$5.50 for 3, \$20 per doz.

REDBUD. *Cercis canadensis.* Before the leaves appear the tree is covered with deep pink flowers. Shown in color on page 81. 3 to 4 ft. \$2 each, \$5 for 3, \$20 per doz.

ROSE OF SHARON. *Althæa; Hibiscus syriacus.* Hardy shrubs blooming from August to October. Height 10 to 12 feet when mature. 3 to 4 ft.

DOUBLE

Purple White Red
\$1 each, \$2.75 for 3, \$10 per doz.

SALIX. Willow.

Pussy Willow. *Salix caprea.* Fuzzy gray catkins in early spring. Shown in color on page 83. \$1 each, \$2.75 for 3, \$10 per doz.

Niobe. A weeping golden Willow. Beautiful, quick-growing tree with pendent branches and effective golden yellow foliage. 4 to 5 ft. \$1.50 each, \$4 for 3, \$15 per doz.

SPIRÆA.

Anthony Waterer. Color bright crimson. A dwarf subject which blooms in July and August. 3 feet when mature. 1½ to 2-ft. plants.

Van Houttei. *Bridal Wreath.* In May and June the white blooms almost entirely cover the foliage. 8 feet high when mature. 3 to 4-ft. plants.

Above 2, \$1 each, \$2.75 for 3, \$10 per doz.

TAMARIX hispida rubra. Graceful wine-red flower sprays set off by feathery light green foliage. Blooms profusely throughout the summer. Good to plant at the shore, for it withstands salt spray. 4 to 5 ft. \$1.50 each, \$4 for 3, \$15 per doz.

VIBURNUM Carlesii. *Fragrant Viburnum.* 5 to 6 feet when mature. Large, fragrant, waxy white flowers in spring. 2 to 3½-ft. bushes. *B&B, \$6 each, \$17.25 for 3.

Grandiflorum plicatum. *Oriental Snowball.* Grows to 10 feet. Many white balls in May. 2 to 3-ft. bushes. \$2 each, \$5.50 for 3, \$20 per doz.

WEIGELA. Covered in early summer with large, trumpet-shaped flowers. Prune as soon as blooms are over and from time to time shorten long branches to encourage flowers all year. Best in full sun.

Bristol Ruby. Patent 492. An attractive shrub with ruby-red blossoms on entire plant from June through July, and intermittently throughout the season. Six-foot fine-formed shrub at maturity.

Eva Rathke. Blooms all summer. The flowers are ruby-carmine, 5 feet high when mature. Above 2, 2 to 3-ft. plants, \$1.50 each, \$4 for 3, \$15 per doz.

BOXWOOD EDGING

For defining a driveway, path, shrubbery, rosebed or border. Keep trimmed, mulch over winter, rake under limestone every spring. Hardy within 100 miles of N. Y. Not recommended for northern and eastern New England.

Suffruticosa. Fragrant. Dwarf; small-leaved. 4 to 6 inches high (allow 4 per running foot), \$3.50 per doz., \$25 per 100. 6 to 8 inches high (allow 3 per running foot), \$2.15 for 3, \$7.50 per doz., \$50 per 100.

*B&B plants (Balled and Burlapped) have their roots surrounded by soil and cloth-wrapped.

HARDY FLOWERING VINES

HONEYSUCKLE. *Lonicera.* Most useful of hardy vines; easiest to grow.

Goldflame. Wonderful flame-coral trumpets lined with gold. Flowers from May to frost. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

Halliana. *Hall's Oriental Honeysuckle.* Pure white, changing to yellow. Fragrant. 60 cts. each, \$1.75 for 3, \$6 per doz.

DUTCHMAN'S PIPE. *Aristolochia Sipho.* A vigorous and rapid-growing climber, bearing brownish-colored flowers which resemble a pipe in shape. \$2 each, \$5 for 3, \$18.50 per doz.

BOSTON IVY. *Ampelopsis Veitchi.* Attains a height of 30 ft. in two or three years; clings to stone, brick or wood. 75 cts. each, \$2 for 3, \$7.50 per doz.

ENGLISH IVY. *Hedera Helix.* Trailing or climbing plants. 2¼-in. pots, \$2.75 per doz., \$21.50 per 100. 4-in. pots, \$2.15 for 3, \$7.50 per doz., \$50 per 100.

EUONYMUS radicans vegetus. *Evergreen Bittersweet; Big-Leaf Winter Creeper.* Produces bright orange-red berries which remain on the plant the greater part of the winter. Clings to stone or brick, but not stucco. This is also one of the best ground-covers. \$2 each, \$5.50 for 3, \$20 per doz.

PASSION FLOWER. *Passiflora cærulea.* A curiously beautiful flower with creamy white petals and a fringed crown or halo of clear blue and purple rays around the mysterious center. Needs the protection of a mulch over the roots around New York and in northern climates. Illustrated on page 47. Pot-plants, delivery May 10. \$1.50 each, \$4 for 3, \$15 per doz.

Other fine perennial Climbers are described and offered on page 84.

TRUMPET VINE. *Bignonia grandiflora.*

Mme. Galen. A fast-growing vine with large orange trumpets borne in profusion during summer. \$1.75 each, \$4.75 for 3, \$17.50 per doz.

Yellow Trumpet. A splendid pure chrome-yellow variety. Flowers 2½ to 3 inches across; will tolerate partial shade. \$2 each, \$5 for 3, \$18.50 per doz.

WISTERIA. Ideal conditions are a well-drained loam, sunshine and plenty of moisture white in flower. These are all strong, 2-year-old, grafted plants which should assure flowering in two to three years.

Sinensis. Pale blue. When established it grows 15 to 20 feet in a season.

Sinensis alba. White-flowering form of the above. Above 2, \$1 each, \$2.75 for 3, \$10 per doz.

These Flowering Shrubs

Add Charm to Your Garden

NEW FORSYTHIA (Golden Bell)

Spring Glory. The loveliest new variety, smothered with penetrating light yellow flowers which burst into bloom at the beginning of spring while the bush is still otherwise bare. 7 to 8 feet high when mature. \$1.50 each, \$4 for 3, \$15 per doz.

CHASTE TREE

Vitex macrophylla. Matures at 5 to 6 feet; every late summer has spikes of lavender-blue flowers. Starlike leaves are gray-green.

BEAUTY BUSH

Kolkwitzia amabilis. Mature plants, 4 to 6 feet high, appear like beautiful pink clouds in summer.

REDBUD

Cercis canadensis. Abundant deep pink flowers are produced in earliest spring ahead of the leaves. Mature trees are interesting also in winter, because of the curious pattern of the bare branches.

The 2 to 3-foot saplings offered are the most favorable size for transplanting; larger ones are not easily moved.



FORSYTHIA, SPRING GLORY

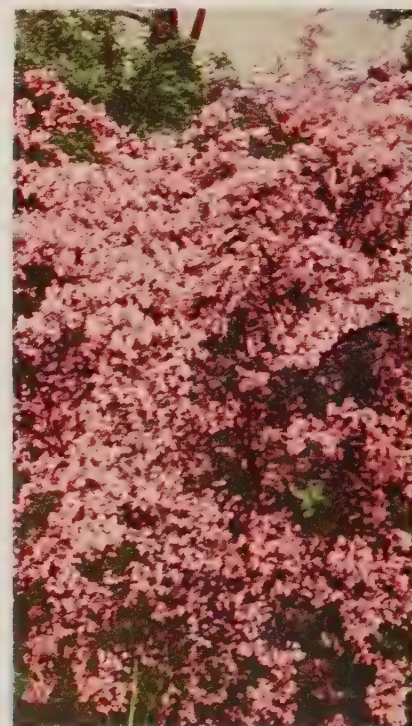


CHASTE TREE

2 to 3-ft. bushes, \$1.50 each, \$4 for 3, \$15 per doz.



REDBUD or JUDAS TREE
\$2 each, \$5 for 3, \$20 per doz.



BEAUTY BUSH

2 to 3-ft. bushes, \$2 each, \$5.50 for 3, \$20 per doz.

Striking TREES AND SHRUBS

MOUNTAIN ASH or ROWAN

Sorbus Aucuparia. Mature tree may reach 60 feet. Thousands of small, bright scarlet, globular fruits. Birds like them, and they sometimes are preserved. 4 to 5-ft. saplings, \$3 each, \$8.50 for 3, \$33 per doz.

FRENCH LILACS

{*Syringa*}

Favorite spring-blooming shrubs loved by everyone. They will thrive almost anywhere, and mature at 12 feet. These hybrids have larger flowers and more striking colors. Three reliable sorts:

President Grevy. Profuse bloomer, splendid for cutting. Double, soft, delicate blue flower.

Charles X. Reddish violet-purple. Fine single.

Marie Legraye. Beautiful creamy white. Single.

Above 3, \$2 each, \$5.50 for 3, \$20 per doz.

COLLECTION

3 bushes, one of each
\$5.50

12 bushes, four of each
\$20

BUTTERFLY BUSH

{*Buddleia*}

One of the most desirable shrubs, beginning to bloom in July and continuing until frost. Flowers are borne in dense, cylindrical spikes.

Charming. Large, lavender-pink flower trusses produced abundantly throughout the summer. Grows 4 to 6 feet.

Orchid Beauty. A splendid new variety of a soft cattleya-lilac color with a brilliant orange eye.

Purple Glory. A rich, dark purple. Free flowering.

Royal Red. A fine addition to this glorious family.

Above 4, 75 cts. each, \$2 for 3, \$7 per doz.

COLLECTION

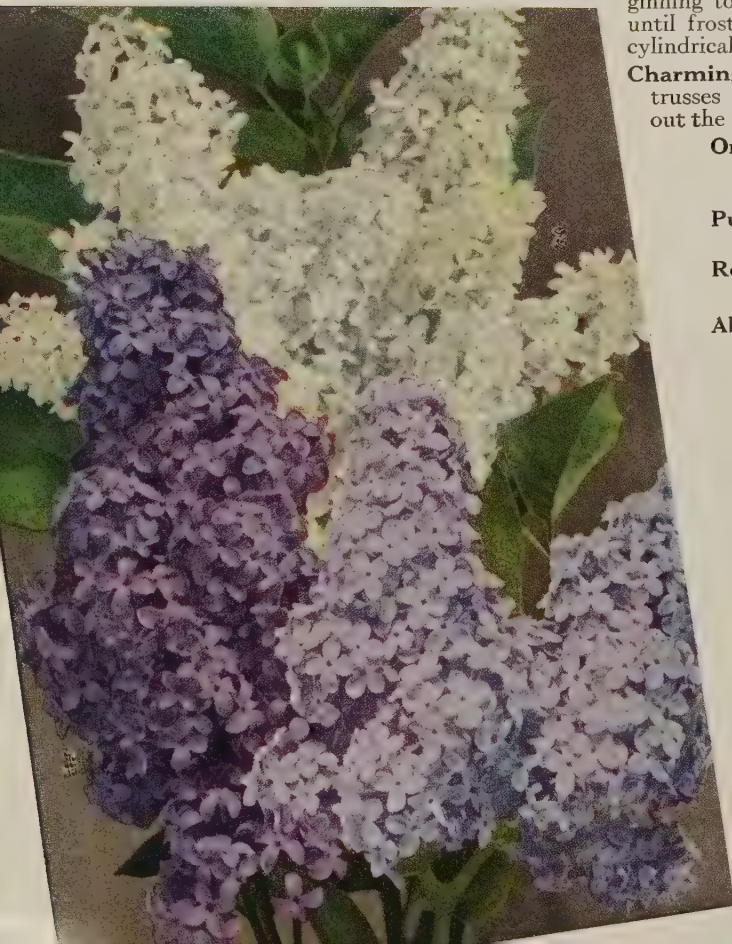
One each
of the above 4 *Buddleias*
\$2.75

BUTTERFLY BUSH
Charming
→→→

←←←
FRENCH
LILACS



MOUNTAIN ASH



HOPA CRAB

This Japanese Crab is as beautiful as the famous Japanese Cherries of Washington. Bright pink, fragrant flowers in spring. Clusters of small, bright red Crab-apples in late summer; decorative, and makes good jelly. 4 to 5 ft. \$1.75 each, \$5 for 3, \$19.25 per doz.



Spring Catkins and Flowers

Hedges for Your Property Line

PUSSY WILLOW

The tree matures at 20 feet but may be kept pruned to any desired height. Its fuzzy gray catkins appear before the leaves, heralding the first breath of spring. 2 to 3-ft. bushes. \$1 each, \$2.75 for 3, \$10 per doz.

DOUBLE-FLOWERING PEACH, CHARMING

Highly decorative tree, loaded in spring with large, double, rose-pink flowers, forming a veritable pink bouquet in the garden. Foliage is effective all summer and fall. 3 to 4-ft. saplings, \$2 each, \$5.50 for 3, \$20 per doz.

ORIENTAL SNOWBALL

Viburnum plicatum grandiflorum

In Maytime has pure white flowers in balls 3½ inches across. We offer handsome 2 to 3-foot bushes ultimately maturing to 10 feet. \$2 each, \$5.50 for 3, \$20 per doz.

BARBERRY HEDGE • *Berberis Thunbergi*

The leaves are small, light green, and toward fall assume rich, brilliant colors, the berries becoming scarlet. Small spines deter trespassers. 1½ to 2 ft., 60 cts. each, \$5.50 for 10, \$12.50 for 25, \$45 per 100.

RED-LEAVED BARBERRY

Not illustrated. The foliage is red all summer and becomes more vivid as the season advances. 1½ to 2 ft., 2-yr.-old plants, \$1 each, \$8 for 10, \$19.50 for 25, \$75 per 100.

CALIFORNIA PRIVET HEDGE

Ligustrum ovalifolium

Set 1 foot apart in double rows in zigzag fashion. Prune to shape desired. 3-ft. plants, \$2 for 10, \$4.75 for 25, \$17.50 per 100, \$150 per 1000.



DOUBLE-FLOWERING
PEACH, CHARMING

ORIENTAL SNOWBALL

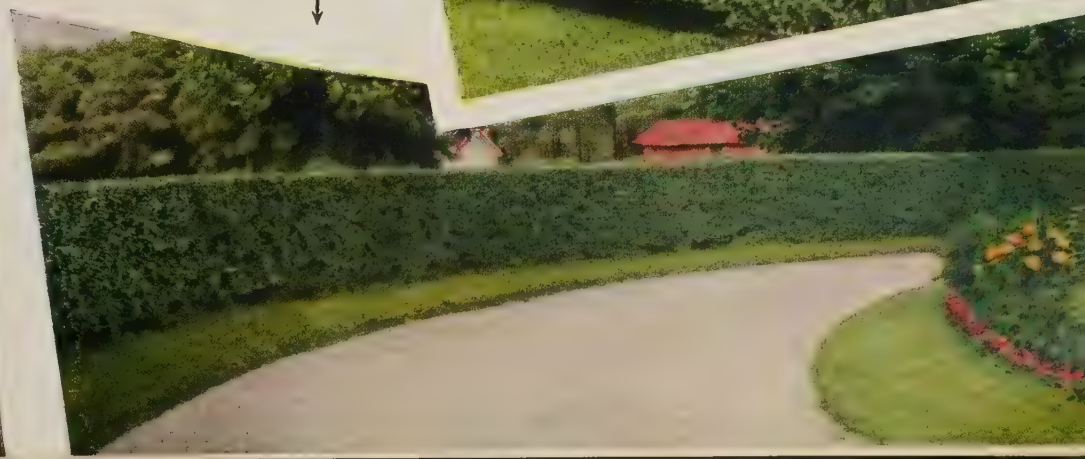


BARBERRY HEDGE

CALIFORNIA PRIVET HEDGE



PUSSY WILLOWS



Climbers to Beautify That Arbor, Fence, Wall or Stump



GOLDFLAME
HONEYSUCKLE

BITTERSWEET

{*Celastrus scandens*}

Jacob's Ladder; Waxwork

Similar to our native Bittersweet, but with larger orange flowers and scarlet seed pods. More flowers than the native type, and still more if planted in threes to take advantage of cross-pollination. Will climb to 20 feet. 75 cts. each, \$2 for 3, \$7.50 per doz.

HONEYSUCKLE • *Lonicera*

Most useful of hardy vines; easiest to grow.

Goldflame. Wonderful flame-coral trumpets lined with gold. Flowers from May to frost. \$1.25 each, \$3.50 for 3, \$12.50 per doz.

BOSTON IVY

{*Ampelopsis Veitchii*}

The most popular of all climbing plants. Attains a height of 30 feet in two or three years; clings to stone, brick or woodwork. 75 cts. each, \$2 for 3, \$7.50 per doz.

CLEMATIS • *Virgin's Bower*

Grown on trellises, arbors, pergolas, and walls, they bring glamour to your garden. The large-flowering varieties cover almost the entire color-range and the many small-flowered types have curiously formed flowers.

LARGE-FLOWERING

Jackmani. A perfect mass of bloom. Dark rich purple. \$1 each, \$2.85 for 3, \$11 per doz.

Duchess of Edinburgh. Large, double white flowers. \$1.50 each, \$4.25 for 3, \$16.50 per doz.

Crimson King. Large; vinous red. \$1.75 each, \$4.75 for 3, \$17.50 per doz.

SMALL-FLOWERING (not illustrated)

Crispa. Small, bell-shaped, purple flowers. Most unusual.

Paniculata. *Virgin's Bower.* Flowers appear in August and continue until frost. White, deliciously fragrant.

Texensis. *C. coccinea.* Urn-shaped, vivid scarlet blooms.

Above 3, \$1 each, \$2.75 for 3, \$10 per doz.

CLEMATIS COLLECTION: 1 each of above 6, \$6.50



BITTERSWEET



CLEMATIS
JACKMANI



CLEMATIS, Duchess of Edinburgh

SILVER LACE VINE

Polygonum Auberti; Chinese Fleece

The plant is vigorous, attaining a height of 25 feet, and producing sprays of white flowers in September. \$1 each, \$2.75 for 3, \$10 per doz.

→→→
CLEMATIS,
Crimson King

←←←
SILVER LACE
VINE



BOSTON IVY



TOOLS AND ACCESSORIES for a Well-Kept Garden

BASKETS



General-Purpose

1-bus. size.....	\$3 00
2-bus. size.....	4 00
3-bus. size.....	5 50

Gardeners' Baskets

20 x 11 x 6½ in. deep.....	\$3 50
24 x 15 x 8½ in. deep.....	4 00

Picking Baskets

¼-bus. size.....	\$2 25
½-bus. size.....	2 75

Rustic Garden Basket

17 x 14 x 12 in. deep.....	\$2 75
----------------------------	--------

Flower and Fruit Baskets

13 x 13 x 3½ in. deep.....	\$1 75
24 x 12 x 3½ in. deep.....	2 25

Fruit Baskets (Not illustrated)

	100	1000
Strawberry. 1-qt. size.....	\$4 50	\$28 50
Peach. 2-qt. size.....	6 00	55 00
Raspberry. 1-pt. size.....	3 50	21 50

Stump Bird Bath

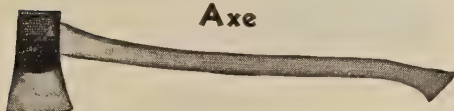
Made of steel-reinforced concrete. Rustic finish. Harmonizes with natural surroundings. 25 in. high, 18 in. diameter. Weighs 100 lbs. \$18.50. Price includes crating; purchaser pays transportation.



Rustic Bird Bath

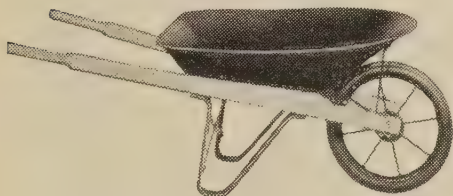
Made of steel-reinforced cement. Natural rustic finish. Large compartment for water; smaller compartments for food. Diameter of bowl 20 in.; height 31 in.; weight 75 lbs. \$17. In white birch finish. \$31. Price includes crating; purchaser pays transportation.

Axe



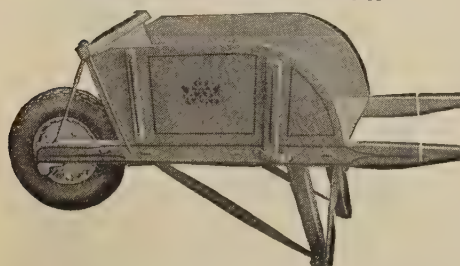
Full ground, full polished, made by Collins of fine quality hardened steel. Will stand up under hard usage. Handle 32 inch. Weight 3½ lbs. Head 8 in. long, 3¼ in. wide. \$4.75.

Warren - Church Wheelbarrow



A handy home, garden and farm Barrow for light service. Strong channel steel legs, wood handles, 1½-in. tread steel wheel. 3½ cu. ft. capacity steel tray. \$10.65. With semi-pneumatic tire, as shown. \$14.50.

Sawco Garden Barrow



Constructed of selected, clear-grained hard wood. Durable and substantial for long service. Front width, 20 in. Box: depth 12 in., length 28 in. Rear width, 24 in. Tread, 3 in. With Steel Wheel, \$21.50. Pneumatic 4-ply Tire; Roller bearings. \$33.

Sawco Garden Cart



A light, sturdy Cart for general garden use. All steel. Wheel is 12 inches in diameter; hard rubber tire. Length, 5 feet; 17½ inches wide at handles. Strong one-bushel oak splint basket. \$8.50.

Milcor Handi-Cart

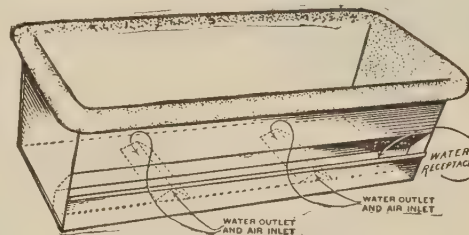


Sturdily supported sheet-metal body; disc wheels; rubber tires. For a thousand odd jobs. Raking grass cuttings, leaves, trash, earth, sand, and gravel. Merely tip down to load, no lifting necessary. Capacity, 3 cubic feet. Length, 26½ in.; width, 19 in.; depth in center, 14 in. \$8.50.

Bags for Grapes

Ideal for protecting against birds. Made of glassine paper with wire metal fastener. 4 x 9½ in. \$3 per 100, \$15 per 1000.

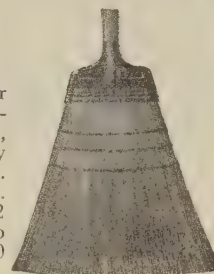
Window Boxes



Made of galvanized sheet metal. Painted green. Each
24 x 7 x 6 in. deep.....\$3 75
30 x 7 x 6 in. deep.....4 50
36 x 7 x 6 in. deep.....5 50
42 x 7 x 6 in. deep.....6 50
48 x 7 x 6 in. deep.....7 50

Palmetto Fibre Broom

A rugged outdoor Broom for stables, garages, machine shops, and where heavy sweeping is desired. Made of palmetto fibre. Width at bottom 12 inches. Height to handle 14 inches. \$2.50



Bulb Planter

The tapered cup removes soil and makes a perfect planting-hole in one operation. 75 cts. each.

Dibbles

Just the tool for transplanting tomatoes, cabbage, celery, etc.

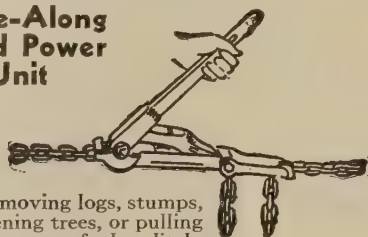
Steel Point, Wood Handle. Regular size 9¾ in., \$1.25.



EMERALD FERTILIZER

GROWS GOOD GRASS. For new lawns dig under 50 pounds per 1000 square feet Use 20 lbs. per 1000 sq. ft. to top-dress existing lawns. 100-lb. bag \$6.50. See page 101.

Come-Along Hand Power Unit



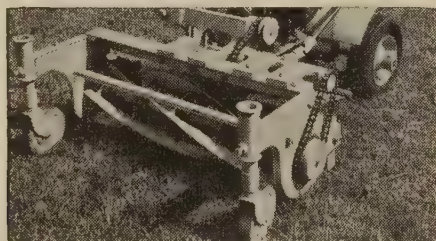
For removing logs, stumps, straightening trees, or pulling your car out of the ditch. Equipped with 5 feet of $\frac{3}{8}$ -inch strong chain. Tested to 6000 pounds. Length of travel 47 inches. Weight 18 pounds. \$14.50.

THE HANDY WORKER TILLER

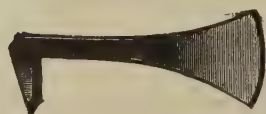


A very handy Tiller for the established garden. Does a nice cultivating and weeding job. $1\frac{1}{2}$ H.P. 4-cycle gas engine. \$194.50.

Handy Worker Lawn Mower Attachment



A rugged $21\frac{1}{2}$ -in. mower. Five-blade reel with two roller casters for stability and heavy cutting. Includes power take-off to connect to your Handy Worker Tiller engine to operate mower. \$89.50.

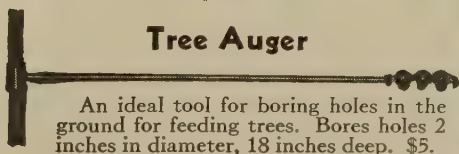


Grafting Chisel

Makes clean splits and does

not tear the bark. \$1.25.

Tree Auger



An ideal tool for boring holes in the ground for feeding trees. Bore holes 2 inches in diameter, 18 inches deep. \$5.

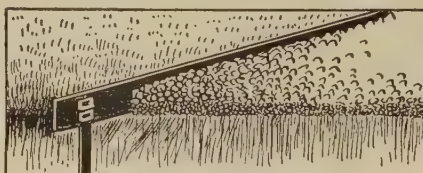
Cultivators, Wheel



No. 16 Single Wheel Planet Jr. Consists of 1 pair of 6-in. Hoes, 3 Cultivator Teeth, 1 large Garden Plow, 1 Rake 7 in. wide, 1 Rake 4 in. wide. \$13.65.

No. 12 Double Wheel Planet Jr. A single and double Wheel Cultivator in one. As a Double Wheel Hoe, it straddles crops until 20 in. high. Comprises 1 pair of 6-in. Hoes, 4 steel Cultivator Teeth, 1 pair of Plows and 2 Leaf-lifters. \$17.25.

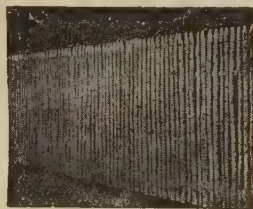
Dandy Boy Single Wheel Hoe. 14-in. steel wheel. Consists of pair of weeding hoes, large single plow with land-side and three cultivator teeth. \$11.25.



Metal Estate Curbing

For neat roadways and garden paths. Made of steel 5 in. wide by $\frac{1}{4}$ in. thick, with 18-in. steel stakes fabricated into the steel. Comes in 20-ft. lengths. Up to 100 ft., \$1 per ft.; 100 to 200 ft., 90 cts. per ft.; 200 to 500 ft., 80 cts. per ft.

Fencing



Warren-Church Cedar Fence. Made of split cedar-poles spaced 1 in. apart. Furnished in rolls 16 ft. long. Gate to match. Upright posts and horizontal

to support fence available as noted.

Height	Plain Per lineal feet	With Posts and Rails Per lineal feet	3 1/2-ft. wide Walk-Gates
4 ft.....	\$1 20	\$1 55	\$13 50
5 ft.....	1 35	1 70	15 50
6 ft.....	1 60	1 95	17 50

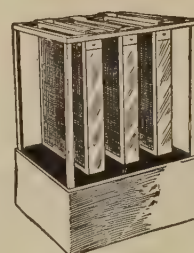
Sawco Woven Wood Fence. Split white cedar; 5-ft. sections. Gates to match.

Height	Plain Per lineal feet	With Posts and Rails Per lineal feet	3 1/2-ft. wide Walk-Gates
4 ft....	\$1 50	\$1 95	\$16 50
5 ft....	2 00	2 45	18 50
6 1/2 ft....	2 20	2 65	19 75



Cutworm Guards

Heavy black paper treated to protect plants from cutworms. Folds and fits into slot to form collar. 35 cts. for 50, 60 cts. per 100.



All-Metal Air Drying Unit

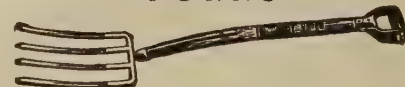
Keeps your cellar, victory garden storage room or any damp room free from excessive moisture. Halts rust, mildew, mold; eliminates dampness and mustiness. 18 in. high, 13 in. wide, 13 in. deep. Complete for immediate use with 100 lbs. of Moisture-Absorbing Crystals—enough for over 6 mos., \$17.95. Additional crystals, \$4.50 per 100 lbs.



De-Moist

New discovery. Retards mold and mildew. Soaks up air moisture like a sponge. Checks damage from dampness. Does not drip. Can be used over and over again. Hangs up anywhere. 12-oz. size for closets, small rooms, food bins, trunks, etc. \$1.29. 50-oz. size for basements, large rooms, attics and laundries, \$4.95.

FORKS



Spading Forks, Sawco. Best grade; tines spear-pointed with diamond-shaped back; handle strapped both sides. Each 4-tine. D-Handle.....\$3 00

Spading Fork. Light weight. 4-tine.....\$1 80

Manure Forks. Best-grade; oval tines. 4-tine, D-Handle.....2 50
5-tine, D-Handle.....2 75
6-tine, D-Handle.....3 25
Long-Handle Forks, same price.

English Type Digging Fork. 4-tine, D-Handle. Tines are square and awl-sharp. For heavy land and difficult forking.....3 50

Hay Fork. 3-tine, Long Handle....2 65

Gem Hand Fork



Made of malleable steel. 3-prong, short handle. 65 cts., long handle \$1.35.

Garden Line

Braided Bronze Nylon. 50 ft. \$1.50, 100 ft. \$2.50, 200 ft. \$4.00.

Malleable Iron Reels for above.

No. 1. Holds 300 ft. \$2.75.

No. 2. Holds 600 ft. \$3.25.



Fruit Picker



Made of steel wire heavily galvanized. Prevents bruising of fruit, 75 cts. Pole extra; see page 94.



Flame Gun

For burning weeds, disinfecting poultry houses, thawing frozen pipes, melting ice and snow, splitting large rocks and boulders, burning tree stumps, sterilizing infected soil, destroying weeds in stone walls, driveways, tennis courts, destroying insect pests such as grasshoppers, locusts, caterpillars, chinch-bugs, etc. \$24.50.

Sawco Garden Gloves

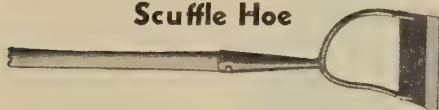
Imported Capeskin. Velvety smooth ivory-white leather with cuff leather-bound. Ideal for gardening, motoring and household tasks. Washable. Sizes 6, 7, 8. \$2.50 per pair.



Horsehide Gloves. All-leather, gauntlet style. Very strong for heavy garden work and pruning. Sizes 10, 11. \$2.75 per pair.

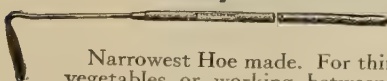
Eazy Wear Gloves. (Not illustrated.) Made of goat skin. Thin; washable. Off-color mottled cream. Sizes 6½, 7½ and 8½. \$1.50 per pair.

Scuffle Hoe



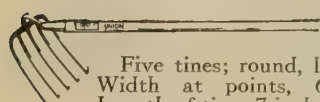
4 in. wide.....\$2 00
6 in. wide.....2 50
8 in. wide.....3 50

Handy Hoe



Narrowest Hoe made. For thinning vegetables or working between perennials. Blade is ¾ in. wide, 4 in. long. Handle 4 ft. \$1.50.

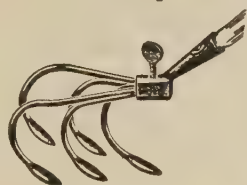
Potato Hook



Five tines; round, long handle. Width at points, 6¼ inches. Length of tines 7 inches. \$2.65.

HOES and HAND CULTIVATORS

Victory Cultivator Hoe



Destroys weeds, leaves the soil level, loose and untrampled.

Long-Handle. 3-prong, \$1.25; 5-prong, \$1.50.

Beet Hoe



For blocking and thinning, weeding and hoeing. 7-in. blade. \$1.25.

Magic Cultivator



Made of round steel, galvanized, with springy temper. Enters soil very easily. A very handy tool for potted plants and home-garden use. Each

3-tine, short handle.....\$0 25
3-tine, 36-in. handle.....45
4-tine, 42-in. handle.....75

"Speedy" Cultivator Hoe



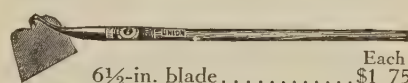
The prongs get right down to work, loosening soil and breaking crust. Ideal weeder. 3-prong, \$1.90; 4-prong, \$2.15.



Eureka Cultivator

Round tines, forged steel, sharp and curved at proper angle for easy pulling motion. 6-inch wood handle. \$1.45.

Draw or Garden Hoe



6½-in. blade.....Each \$1 75

Warren or Heart-shaped Hoe



The best Hoe for making drills, covering, hoeing, and weeding. Each
4-ft. handle, 7-in. blade.....\$2 00



Narrow Nursery Hoe

Extremely narrow Hoe designed for use in closely planted areas. \$1.75.



Grape-Hoe

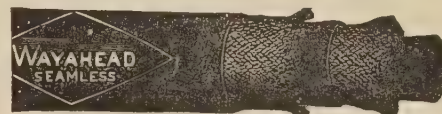
One-piece hand-forged steel. 6¾ x 7¼-in. blade. For heavy work. With handle. \$3.25.

HOSE Greenlawn



Rubber. A heavy-duty two-braid corrugated green Hose of high quality. ¾-in. 50-ft. length, \$18; 100 ft., \$30.

Wayahead



Rubber. Special heavy duty. Surpasses all the cheaper grades of Hose. A two-braid Hose with a smooth black cover. ¾-in. bore. 25 ft. \$8; 50 ft. \$15; 100 ft. \$28.

Vinylite Plastic Hose



Featherweight, tough and durable plastic. Outlasts rubber. Not affected by cold or heat. Resists scuffing, cracking, peeling, etc. Strong ¾-in. couplings that will stay fast to hose. ½-in. bore; hexagonal shape. Colors: green or red. 25 ft. \$5.75, 50 ft. \$9.75.

Quik Coupler



Made of brass. One end fastens to the faucet, the other end to the hose. Can also be used for connecting two pieces of hose. Push-in and pull-out feature eliminates awkward screw-on method of attaching hose. Has a swivel action to eliminate twisting. \$1.

Evertite Hose Coupling.

No threads. No leaks. No kinks. Instantly applied. Simple, durable, and tight. Can be used on faucet, also between lengths of hose and on lawn sprinklers. Washers countersunk so they won't come out. 50 cts. each.

Hose Accessories

Siamese Hose Attachment. Permits use of two leads of hose at one time. ¾-in., 75 cts.

Hose Clamps or Bands. ½- and ¾-in. sizes, 15 cts. each, \$1.50 per doz.

Regular Hose Couplings. Cast brass. Easily applied. ½- and ¾-in., 45 cts. each, \$4.50 per doz.

Perfect Clincher Hose Coupler. Cast brass. Self-fastening Coupling that does not require extra bands, or wire. ½- and ¾-in., 65 cts. each, \$7.20 per doz.

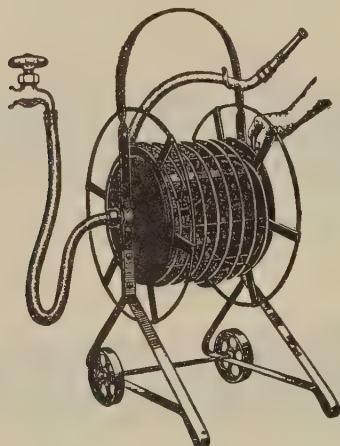
Perfect Clincher Hose Mender. Cast brass. ½- and ¾-in. sizes, 25 cts. each, \$2.50 per doz.

Gooseneck Swivel. Prevents kinking; turns all ways. 95 cts.

Hose Washers. For ¾-in. hose. 10 cts. per doz.

Sykes Hose Holder. Made of twisted wire. Rust-resistant. Fits ½-, ¾-, and 1-in. hose. 50 cts.

Salem Real-Reel



The finest Hose Reel made. Holds up to 150 ft. of $\frac{3}{4}$ -in. hose. Simply connect the 5-ft. accessory hose to your faucet, and water will pass through hose as it reels off. Sturdy, durable, all-metal construction. No dragging, no kinking, no twisting. Complete with 5 ft. accessory Hose only, \$14.95.

Sawco Hose Reel. (Not illustrated.) Made of tubular steel frame and real rims. **No. 10.** Capacity 100 ft. $\frac{3}{4}$ -in. hose. \$7.50.

No. 30. Heavy duty. Made of all tubular steel. Capacity 300 ft. $\frac{3}{4}$ -in. hose. \$23.50.

Goldsmith Hose Rack



A hose-preserver, since the hose hangs on the Rack in large, natural coils, thus preventing kinking and twisting. \$1.75.

Flaring Rose Hose Nozzle

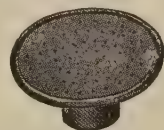
Ejects a fan-like gentle spray. For watering seedlings and newly planted grass-plots. Cast brass, \$1.25 each.



Justrite Hose Nozzle

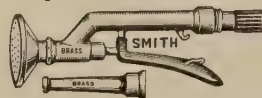


Gives a copious spray or full stream. Made of brass. \$1.



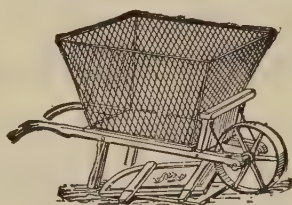
Florist Nozzle. Cast brass; 4 inches round. $\frac{3}{4}$ -in. Delivers a fine rain. \$1.50.

Aquamatic Nozzle



A very high-grade Nozzle equipped with 3-in., round-face sprinkler and solid stream nozzle. $\frac{3}{4}$ -in. connection. \$3.85.

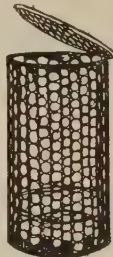
Wire Leaf Rack



A practical device for transporting leaves, cut grass, and litter. Can be attached to any wheelbarrow having removable sides. Made of galvanized wire bolted to a wooden base. Capacity 10 bus. Complete, \$36.50. Rack only, \$15.

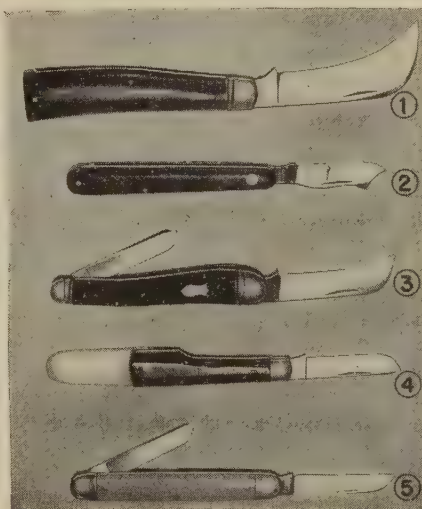
Incinerators

Warren-Church. Fabricated of high-quality steel $\frac{1}{8}$ in. thick. Seams are securely welded. Will outlast many ordinary Incinerators. Height 32 in.; diam. 18 in. Raised bottom. \$8.75.



Stump Incinerator

A well-made cement composition Incinerator for the home, country, or estate. Height 36 in., diameter 18 in. Strong steel grate. Side opening at bottom for draft and to easily remove ashes. Rustic bark finish. Approximate weight 200 lbs. \$28.50. Price includes crating; customer pays transportation.

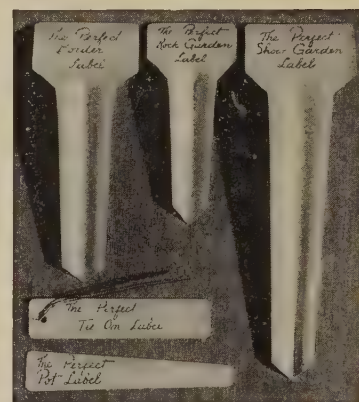


KNIVES

Budding and Pruning

Strong Pruning Blade; Cocoa Handle Each (1).....\$3 00
Budding Blade; Smooth Black Handle (2).....3 50
Pruning and Budding Blades; Patent Stag Handle (3).....3 75
Budding Blade with Ivory Budder; Stag Handle (4).....4 00
Two Strong Budding Blades. White Handle. Steel Bolstered (5).....4 00

LABELS



PERFECT GARDEN LABELS. Pencil markings on them are weatherproof, but may be erased and the Labels used again. **Rock-Garden.** Face, $1\frac{3}{4}$ x $\frac{1}{8}$ in.; length 4 in. \$1.50 per doz., \$2.75 for 25, \$8.50 per 100. **Border.** Face, 2 x 1 in.; length 5 in. \$1.75 per doz., \$3 for 25, \$9.75 per 100.

Tie-On (with copper wire). Face, $3\frac{1}{2}$ x $\frac{3}{4}$ in. \$1.00 per doz., \$1.50 for 25, \$4.25 per 100.

Show Garden. Face, 2 x $1\frac{1}{4}$ in.; length 7 in. \$2.25 per doz., \$4.25 for 25, \$13.50 per 100.

Pot, Tapering. Face, 4 x $\frac{3}{4}$ in. 65 cts. per doz., \$1.25 for 25, \$4 per 100.

POT or GARDEN LABELS

Wooden, Painted.

	100	1000
4 in.	\$0 60	\$4 50
6 in.	85	6 35
8 x $\frac{1}{8}$ in. .	2 00	13 50
12 x $1\frac{1}{8}$ in.	2 75	20 00

Wired. 3 $\frac{1}{2}$ in.

Painted. 75 cts. per 100, \$5.50 per 1000.

For Marking Labels

Label Pencils. Heavy black; indelible. 15 cts. each, \$1.65 per doz.

Flo-Master Fountainbrush



Writes, marks, draws on any surface. Leakproof and flowproof; can be carried in the pocket. Satin finish aluminum. Ideal for marking wood labels and tools. Black ink, fadeproof and waterproof. Pen complete with 4-oz. tube of ink and 4 nibs, \$4.25. Extra ink 4-oz. tube 90 cts.

Hotkaps

Made of special wax paper, tent-like in shape, 11 inches in diameter at base. Protects plants from frost, retains moisture in soil, and brings crops into earlier maturity.



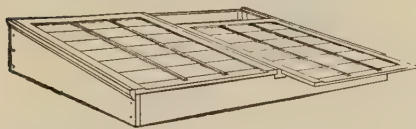
Pkg. of 25, with fibre-board setter, 80 cts.

Pkg. of 100, with fibre-board setter, \$3.

Pkg. of 1000, Hotkaps only, \$17.50.

Steel Setter. \$2.25.

Hotbed Sash and Frames



Single Light Sash. Standard 3 x 6 ft. Cypress. 10 x 12 in. double-thick glass. \$17.50.

Standard Hotbed Frames. High-quality, selected cypress, free from knots. Back depth of Frame 16 in.; front depth 8 in.

Dimensions feet	Sashes held	Frame only	Frame and Sash
3 x 6	1	\$24 50	\$42 00
6 x 6	2	33 00	68 00
9 x 6	3	42 00	94 50
12 x 6	4	53 00	123 00
15 x 6	5	59 00	146 50
18 x 6	6	70 00	175 00

SOIL HEATING UNIT, GRO-QUICK.

An inexpensive assembly for heating a coldframe, complete with Thermostat.

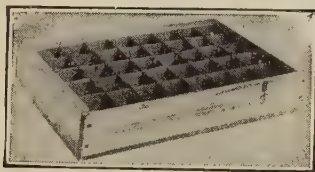
Jr. Model. (40-ft. cable.) Sufficient to take care of 3 x 6 ft. \$6.75.

Sr. Model. (80-ft. cable.) Sufficient to take care of 6 x 6 ft. \$9.

Cel-O-Glass. Durable, flexible, and light in weight. Will not crack or break like glass. Transmits ultra-violet rays. Rolls 50 ft. long and 36 in. wide. 13½ cts. per sq. ft. Less than rolls, 14½ cts. per sq. ft.

Cypress Flats

To start or transplant your flowers and vegetables indoors or under glass



Made of select cypress set-up. Size 12 x 18 x 3 in. deep. 85 cts. each, \$9.35 per doz. Complete with 40 2-in. square paper pots. \$1.35 each, \$14.85 per doz.

Square Paper Pots

Made of specially treated Kraft board. They eliminate waste. Come knocked down. 2-in., \$1 per 100, \$8 per 1000.

Paper Flower Pots, Neponset

RED—for shipping plants.

Diam	Doz.	100	1000
2¼ in.	\$0 25	\$1 50	\$9 00
2½ in.	30	1 65	9 25
3 in.	35	1 85	9 50
4 in.	40	2 00	14 00
6 in.	50	3 00	22 00



Plant Bands

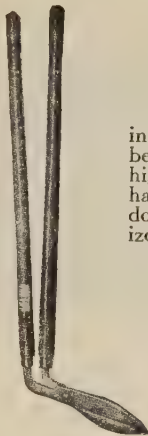
Square 2-inch nutrient-treated paper bands for potting seedlings. Open bottoms. To be used in flats or wood boxes. Weather-proof, mold-resistant. Pkg. of 30, 35 cts.; \$1 per 100.

GRASS SHEARS

Border Shears

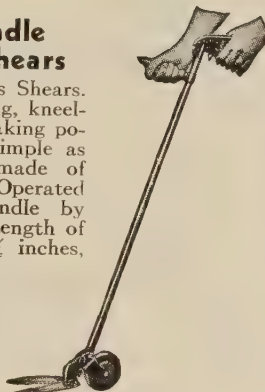
(Imported English)

Designed to trim overhanging grass on borders, flowerbeds, and walks. 9-in. blades of high-grade tool steel; polished handles and blades. Up-and-down action blade \$9.50. Horizontal action blade \$8.50.

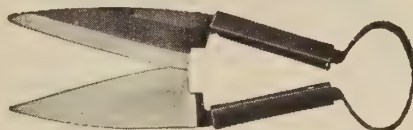


Long-Handle Trimming Shears

A modern Grass Shears. Eliminates stooping, kneeling, and back-breaking positions. Just as simple as walking. Shaft made of aluminum alloy. Operated from top of handle by connecting rod. Length of cutting blades 6¾ inches, height of shears 38 inches. An efficient and practical tool that will appeal to everyone who has the care of a garden or lawn. \$4.50.



Grass Shears



High-quality domestic tool steel. 6½-in. \$1.75.

Imported. Sheffield steel. \$3.50.



Warren-Church Shears. Up-and-down action; 5-in. blades. \$3.



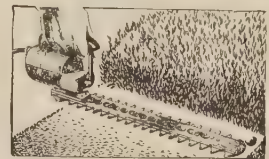
Grass Shears. Scissors type, oil-tempered and hollow-ground blades 5 in. long. Iron handles. \$1.75.

Berry or Thinning Hook



For thinning out berry bushes and shrubbery. Fine for sprouts and suckers. \$2.

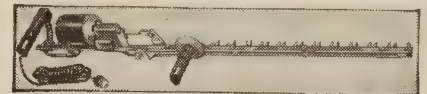
Syracuse Electric Hedshear



Cuts hedges, shrubbery, and grass. Cutters self-sharpening, revolving on endless chain. Cuts on either side of cutter-bar. Weight, 6 lbs. With 10-ft. Cord, \$45. Extra 100-ft. Weatherproof Cord, \$11.50.

Sunbeam Hedge Trimmer. (Not illustrated). Sensational new electric Trimmer for hedges, shrubs, and ornamental trees. 12-in. cutlery steel blade, well balanced. Weighs 4¼ lbs. 110 V AC-DC motor fitted into the handle. On-and-off switch within easy reach. Precision made. With 10 ft. of cord, \$42. Extra weatherproof rubber cord, \$11.50 per 100-ft. length.

Little Wonder Hedge Trimmer



A heavy-duty Trimmer for wide hedges. Furnace steel blades. Electric motor, ball bearings, 110 volt, 60 cycle. Control switch, machine cut gears. Weight 12 lbs. Length of cutting blade 27 in. with 12 ft. of cord. \$82.50. Extra weatherproof cord, \$11.50 per 100 ft.

Shovels



Sawco High Grade. Good, reliable.

Square Point, D-Handle.....	\$2 75
Round Point, D-Handle.....	2 75
Square Point, Long Handle.....	2 75
Round Point, Long Handle.....	2 75

Spades



Sawco High Grade. Dependable quality. D-Handle.....\$2 75
Light weight. D-handle.....1 95

Sawco Drain Spade



Solid shank. Ideal for transplanting. 16 inches long; 4¾ inches wide. D-handle. \$5.

Tool Holder

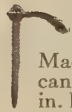
Steel



Ideal for hanging tools in your garage or barn. Extends 13 inches out and width is 3 inches. Notched for five tools. 90 cts.

NAILS

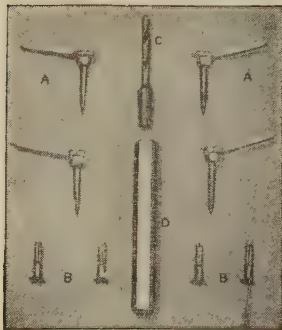
For Fastening Vines to Walls



"Beat All" Wall Nail

Made of metal with pliable lead tip which can be bent to any desired position. 1½ in. long. 75 cts. per doz., \$5 per 100.

Vyn-Tach Hooks



Attach your climbing roses and other vines to masonry or wooden surfaces.

Vyn-Tach Hooks for Masonry. Complete set of 25 Hooks, 25 Shells with Drill and Drill-holder \$2.25. Complete Set of 100, \$6.50.

Without Drill and Drill-holder, \$1.75 for 25, \$5.50 per 100.

Vyn-Tach Hooks for Wood. 25 Vyn-Tach Hooks, \$1.25; 100 Hooks, \$4.50.

Waterproof Paint

For swimming pools. Waterproof. Color ocean-blue. Qt. \$3.50, gal. \$10.

Water Ballast Rollers



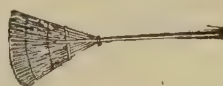
The drum has rounded edges which prevent cutting of the sod. Heads are held through the center by a full-length axle firmly fastened by double steel lock nuts and washers. Can be filled with water or sand.

A Water-Ballast Roller makes a good lawn

Diam.	Length	Weight empty	Filled with Water	Price
18 in.	24 in.	85 lbs.	265 lbs.	\$16 95
24 in.	24 in.	110 lbs.	420 lbs.	28 00
24 in.	32 in.	130 lbs.	566 lbs.	31 75

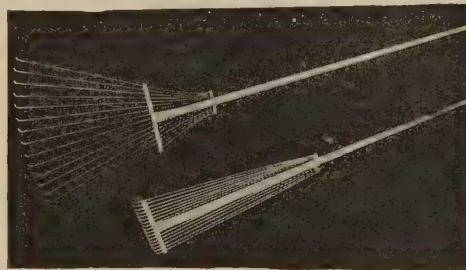
For Leaf Raking

Bamboo Rake. Imported sun-cured bamboo. Reinforced with metal band and wire spiral. 18 in., \$1.50. 24 in., \$1.75; 30 in., \$2.25.



Gumfinger Rake. (Not illustrated.) Teeth made of live resilient rubber. Excellent for gravel drives, and walks. Ideal for tender new lawns. 12 in., \$2.25; 20 in. \$2.75; 30 in., \$4.

Aluminum Adjustable Rake



This 4-in-one Rake is ideal for grass, leaves, soil and gravel. Weighs only 24 ozs. Will not rust. 48 in. long when closed. Instantly adjustable. Spreads from 10 in. to 30 in. Tines slightly flattened on end. \$3.98.

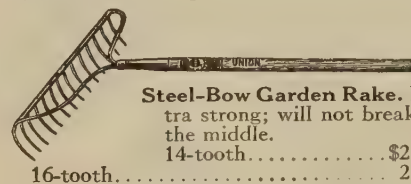


Steel Garden Rake, Sawco.

Cut from one piece of steel; strong and durable. Polished teeth.

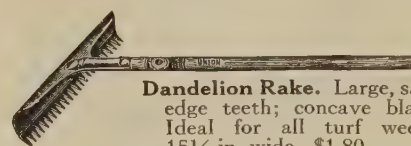
14-tooth.....\$1 80
16-tooth.....2 00

Special Lightweight. 14-tooth.....1 25



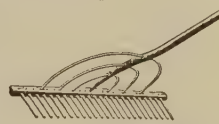
Steel-Bow Garden Rake. Extra strong; will not break in the middle.

14-tooth.....\$2 00
16-tooth.....2 25



Dandelion Rake. Large, saw-edge teeth; concave blade. Ideal for all turf weeds. 15½ in. wide. \$1.80.

Wood Hay and Lawn Rake. Made especially with an extra-strong head for double service.

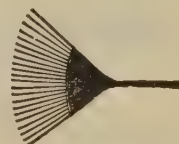


Each Doz.
Hay, 14-tooth.....\$1 75 \$19 25
Lawn, 28-tooth.....2 50 27 50

Lawncomb Rake. Made of high tempered spring steel with flat replaceable tines. 17 in., \$2; 24 in., \$2.50.

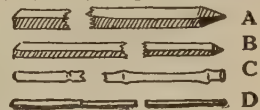


Steel Brume Rake. With polished wooden handle. Cleans the turf as gentle as one's hand. 19 in. wide. \$1.35.



Cavex Rake. A cultivating and renovating Rake. 14 in. wide. One side has flat 2-in. crescent teeth for tearing out chickweed, crab grass and thinning out stolons; rakes shallow. Other side has slightly curved teeth for general cultivating, raking and scarifying turf, and rakes deeper. Self cleaning on both sides. \$3.

PLANT STAKES



A—Square Stakes, Green. Doz. 100
4 ft. x ⅞ in.....\$1 75 \$12 50
5 ft. x ⅞ in.....2 25 16 50
6 ft. x ⅞ in.....2 75 20 00
7 ft. x 1 in.....3 50 23 00

B—Square Stakes, Green. Light. Doz. 100
3 ft. x ⅞ in.....\$1 25 \$8 00
4 ft. x ⅞ in.....1 50 10 00
5 ft. x ⅞ in.....1 80 13 50

C—Bamboo Tonkin Canes. Natural. ⅝ in. to ¾ in. diam. 25 100
4 ft.....\$2 00 \$7 50
5 ft.....3 00 8 50
6 ft.....4 00 12 00

D—American Bamboo, Dyed Green. For staking gladiolus, annual flowers, etc., in the garden. Uniform pencil thickness.

100 1000
2-ft.....\$1 25 \$9 00
3-ft.....1 75 13 50
4-ft.....2 25 17 50
5-ft.....2 75 21 50

Bean Poles (with bark on). 8 ft. long; 2 to 2½ in. butt. Also ideal for supporting blackberries, raspberries, boysenberries, etc. 35 cts. each, \$3.50 per doz.

Adjusto Plant Supports. Sturdy hardwood stakes, ⅞ in. square, with a strong wire support adjustable to any height.
Each Doz.
4-ft.....\$0 30 \$3 50
5-ft.....35 4 00
6-ft.....40 4 50

Galvanized Wire Stakes. 100 1000
3-ft.....\$7 50 \$50 00
4-ft.....9 50 60 00
5-ft.....12 50 75 00

Fold-Up Plant Support. (Not illustrated.) Ideal for peonies and tomatoes. Easily collapsible for storing. Made of No. 8 wire. Diameter of ring, 15 in. With three legs, length 27 in. 75 cts. each, \$6.50 per doz.

Tying Materials

Binder Twine. Approximately 7½ in. balls \$4.

Bouquet Twine. White. 2¾-oz. ball 30 cts., lb. \$1.50, 5 lbs. \$6.50.

Green Tying Tape. ¼ in. wide. 100 ft. to a spool. Spool 35 cts.

Twine, Soft Jute. For tying vines, etc., without danger of bruising. Very strong; 3-ply. **Natural.** ½-lb. ball 40 cts., 3 balls \$1.10, 12 balls \$3.50. **Green.** ½-lb. ball 50 cts., 3 balls \$1.40, 12 balls \$5.

Tarred Yarn. Excellent, low-priced material for raspberries, shrubs, etc. Ball (1 lb.) 80 cts., 5 balls \$3.75.

Raffia, Natural. For tying plants. ½ lb. 50 cts., lb. 90 cts., 5 lbs. \$4.

Dyed Green. ½ lb. 90 cts., lb. \$1.75.

Plant-Twists. Dyed green. A twist of the hand and the plant will stand. 7 inches long, 15 cts. for 25; 50 cts. per 100. 12 inches long, 30 cts. for 25; \$1 per 100.

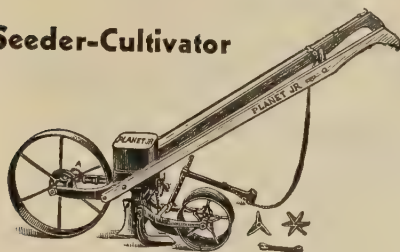
Twistems. 8-in., 30 cts. for 125, 16-in. 60 cts. per 100.



IMPROVE YOUR LAWN

with an occasional dose of LAWNSPREAD. May be used at any time of the year. Unit of 25 pounds treats 200 to 400 square feet and costs \$3.25.

Seeder-Cultivator



Planet Jr. 25. Combined Seeder and Cultivator. Single Wheel. Seed-box holds 2½ qts. Combination includes 1 pair of 6-in. hoes, 4 cultivator teeth, a pair of plows for hilling against the rows, 2 leaf-guards, and 1 marker. \$33.95.

Dandy-Boy Seeder and Cultivator. Combines hill and drill seeder, single wheel cultivator and all necessary parts, plow or furrow opener and weeder. \$25.50.

Cyclone Seeder

Broadcasts lawn and farm seeds, such as clover, timothy, red-top, alfalfa, rye, millet, wheat, etc. Can be regulated to sow any amount per acre. Holds about ½ bus. \$4.

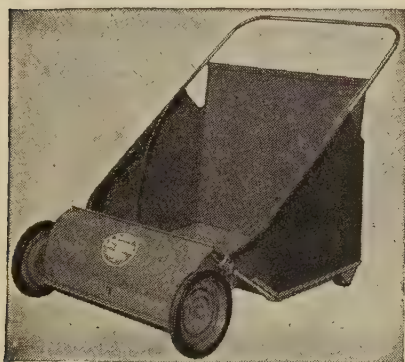


Sawco Seed Sower



It scatters seeds individually and prevents crowding and choking of the seedlings when coming up. 75 cts.

Springfield Lawn Sweeper



Lifts leaves, cut grass, sticks, stones or paper. Controls spreading of obnoxious weeds by collecting the seed. Precision built of cast aluminum alloy, non-rusting. Five brushes of heavy fibre securely fastened to ball-bearing reel assure economical upkeep and easy replacement. Brush adjustable for heavy or light-sweeping of variable-height grass. Heavy canvas, metal-bottomed hopper, 5-bushel capacity, collapsible for storage. Senior, 28-in. width, \$46.50. Junior, 20 in. width \$29.95.

High-Grade Scythes



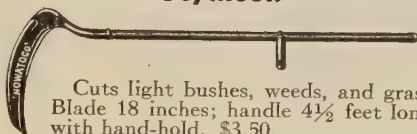
Cutlery steel, natural oil finish; cutting edge, web and backs polished.
Domestic. 28 to 32 in. \$3 50
Imported English. 33 and 36 in. 5 00
Scythe Snath or Handle. \$4.
Bush Scythe. Heavier and shorter than a grass Scythe; 18 inches long. For heavy growth. Blade only. \$3.



Sickles

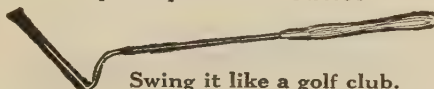
Warren-Church. Good quality. 85 cts.
Sawco. Blade forged from razor steel, hollow ground. 1-in. offset. \$1.50.
English Riveted Back. Imported. . . \$3 50

Scythhook



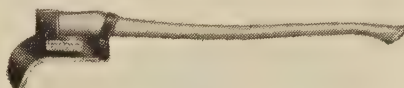
Cuts light bushes, weeds, and grass. Blade 18 inches; handle 4½ feet long, with hand-hold. \$3.50.

Speedy Grass Cutter



Swing it like a golf club.

9-inch double-edge blade. \$1.50.
Hook Tooth. 8½-inch blade, serrated one side, long handle. \$1.50.



Earle Bush Hook. For heavy work. \$4.50.

Spike Lawn Disc



Use before re-seeding, fertilizing and top-dressing. Tray is for additional weight.
Junior. Eight 10-in. discs. Width 16 in. Weighs 32 lbs. \$17.50.
Senior. Nineteen 10-in. discs; width 18 in. Weighs 110 lbs. Double handle. \$45.

Scythe Stones



Genuine English. Round tapering. 60 cts.
Sawco. 35 cts. each, \$3.50 per doz.

Salem Spreaders



For the small lawn or large estate. Has many uses—fertilizing, seeding, top-dressing. Spreads salt, sand or ashes on icy surfaces. Avoids drudgery, waste and uncertainty. 16 in. wide (capacity 22 lbs.), \$7.50; 20 in. (40 lbs.) \$11.50; 36 in. (125 lbs.) \$35.50.

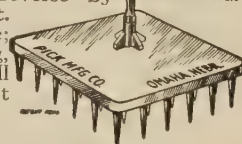
Saucers For Flower Pots

Green Rubber. Ridge in center permits free flow of water from bottom of pot. Pad in center releases water to plant as needed.

Diameter at Bottom	Takes Pot	Each	Doz.
4 in.	Up to 6 in.	\$0 30	\$3 00
6 in.	Up to 8 in.	45	4 50
8½ in.	Up to 12 in.	90	9 00
10¼ in.	Tubs up to 10¼ in. bottom diameter.	2 00	22 00

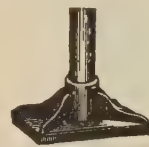
Spike Tamp

An indestructible, combined Perforator and Tamper made of malleable iron. Can be quickly converted from Spiker to Tamper and reverse by loosening one nut. Plates 9 in. square; Spikes 1¼ in. long, tapering. Overall length 4 ft. Weight 13 lbs. \$6.75.



Tampers

Iron Sod Tamper. For laying turf and compacting sod after frost. The Tamper is square and is furnished with a 4-foot handle.



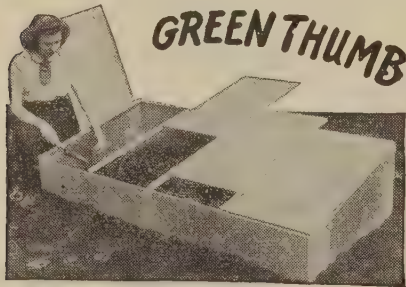
Size	Weight
8 x 8-in.	14 lbs. \$4 00
10 x 10-in.	18 lbs. 5 00

THE BREADY TRACTOR

Furnishes Power for the Small Farm

Greater economy, more uses, easier handling. Handiest garden tractor made. Patented front hitch. Recommended for the small farm or any area up to five acres.
1½ H.P. for average flat land. \$199 50
2½ H.P. for hilly land. 274 00

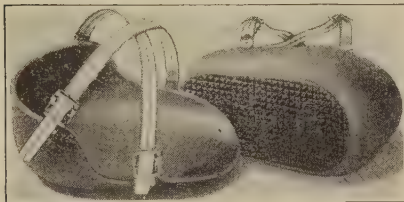
Write for circular giving complete information, also prices on accessories that can be used with this machine: disc, plow, hay-cutter, harrow, cultivator, lawn-mower, roller, riding attachment, snow-plow, etc.



Seed Bed made of 22-gauge aluminum; self insulating. Plastic glazing admits ultra-violet rays; hailproof. Sash moves in "U" channels. This permits ventilation and removal with minimum effort. Packed knocked down, but easily assembled.

Standard Model. (Illustrated.) Measures 36 x 72 inches, 15 inches high at back, 9 inches at front. Weight 15 pounds. In four sections. \$20.95.

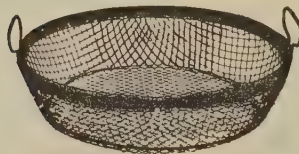
Suburban Model. (Not illustrated.) Similar construction; measures 36 x 36 inches. Weight 9 pounds. In two sections. \$12.75. Standard size frames on page 89.



Kumfort Knee Pads

Knee-cushion with adjustable straps. Will not slip down when walking. Keeps moisture and dirt from the clothing. \$2 per pair.

Sieve

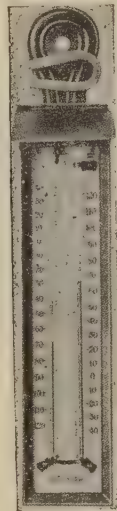


A fine, 8-mesh sieve for screening soil for window boxes, flower pots, covering grass seed, and for general use in the garden and home. Holds about 25 lbs. of soil. 13½ in. top diam.; 11½ in. bottom diam., 3½ in. deep. Green enamel finish. \$1.50.

Sawco Tree Scraper



A handy tool for removing loose bark that harbors insects. The incurved end takes care of the small grooves, and the broad curve, sharpened on both sides, scrapes the wide, shallow grooves. Spring-steel, forged. \$1.75.



Thermometers

Self-registering. (Siexe's Pattern.) Copper case, white figures. **Maximum and Minimum.** 10-in., \$8.85 with magnet.

Standard Type

Black Tin, brass scale, white figures. (Mercury.) Range, 40 degrees below zero to 120 above. 10 in., \$3.

Aluminum. Black figures make it easy to read at a distance. Temperature from 20 below to 120 degrees Fahrenheit. (Spirit) 8-in., \$1.10.

Hotbed. Pointed wood. Brass oxidized scale, white figures. Best grade, spirit-filled bulb chamber. 15-in., \$3.50.

Plant Tub



Made of ½-in. pine, painted green.

Inside top diam.	Inside depth	Each
12 in.	11 in.	\$2 50
14 in.	13 in.	3 50
16 in.	15 in.	4 00

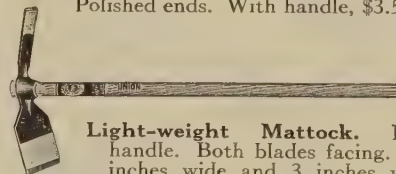
Mattocks



Cutter Mattock. 6 lbs. Tempered tool steel. Polished edges. With handle, \$3.50.



Pick Mattock. 6 lbs. Tempered tool steel. Polished ends. With handle, \$3.50.



Light-weight Mattock. Long handle. Both blades facing. 1½ inches wide and 3 inches wide. Overall length of blade 12¾ inches. Serves as a hoe on clay soil. \$2.50.



Celery-bleaching Tubes

For bleaching the plants. The Handler is placed around the celery plant, the Tube is slipped in place and the Handler removed. Doz. 100 500 14 in. high \$0 75 \$4 50 \$18.50

Handler for use in placing tubes: Brass, \$3.25; Tin, \$1.35.

Hedge Shears



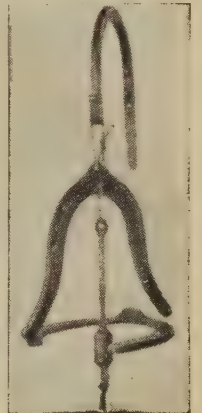
Sawco Domestic. Well made and of excellent quality.

9-in. blade with notch. \$3 75

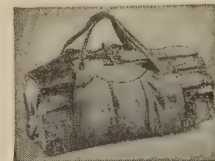
6-in. blade. Ladies'. Plain. 2 75

Warren-Church. (Not illustrated.) 8-in. blade. With notch. 1 95

Lucky Horseshoe Bell



At your garden gate, house, camp, or as a "come and get it" call. Unique, attractive, practical. Two old horseshoes welded so they chime pleasantly when tapped with rawhide-tied clapper. Black weatherproof finish. Height 9 in., diameter 8½ in. Complete with horseshoe bracket. \$9.50.



Leather Log Carrier

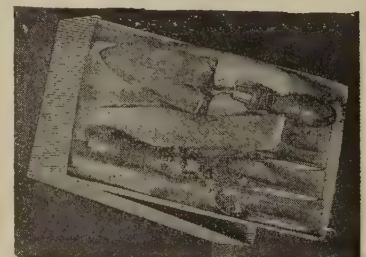
Make carrying of logs easier and cleaner. Made of sturdy genuine pigskin. Very decorative; can be hung on andiron or fireplace. Size 14 x 32 in. Also can be used as basket by using special leather tiestrings already attached. \$5.95.

Foot Scraper



This little Dachshund Foot Scraper adds a friendly touch to your door. He weighs 30 lbs. and is 22 in. over all. Solid cast iron; body velvet black, tongue red. \$11.50.

Sawco Stainless Trowel and Fork



Well made. Stainless. Will last a lifetime. \$7.25 complete. Individual tools \$3.75 each.

ENCOURAGE THE BIRDS, for many of them help in your fight against insect pests. We supply a mixture of just the **FOOD SEEDS** they like. Five pounds, \$1

POWER MOWERS

Trimalawn

A heavy-duty 25-inch Mower with 1½-h.p. motor for home-owners, parks, estates, schools and cemeteries. Compact and powerful, it climbs steep grades with ease—handles easily and economically—cuts as much as 4 acres a day! The outstanding Mower in its class. \$185.95.



17-in. Wing Units, pr. \$77 50
Riding Sulk 39 50
Reversible Snow Plow 31 85

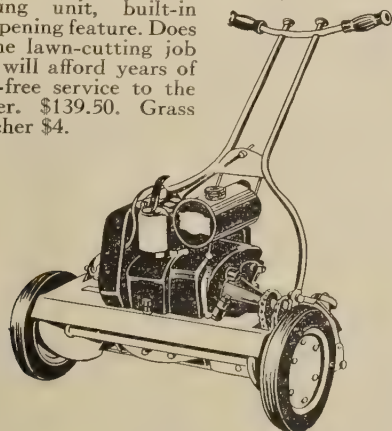
Royale

Reo performance and dependability. The Royale gives a full 21-inch cut in this 1½-h.p. Mower; will mow up to 3 acres in a day. Simple control; adjustable handle; 5-blade reel with one-piece steel bottom knife. \$105.45. Grass Catcher extra. \$4.



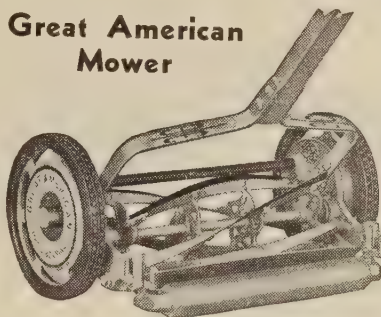
Pincor

A powerful, precision-built, all-steel Mower designed to meet the needs of home owners and commercial users. 20-in. cut; 1½ H.P.; 4-cycle engine. All-steel chassis, removable cutting unit, built-in sharpening feature. Does a fine lawn-cutting job and will afford years of care-free service to the owner. \$139.50. Grass Catcher \$4.



HAND MOWERS

Great American Mower



Reliable heavy-duty machine. Height of mown turf can be regulated from ½ to 1½ inches; will cut grass 6 inches high. Wheels are 10 inches high. Hard rubber tires. Price 5 blades
15-in. \$26 75
17-in. 28 50
19-in. 31 00
Grass Catcher extra. 15 and 17-in., \$2.50; 19-in. \$4.

Pennsylvania Junior Mower (Not illustrated)

One of the best hand Mowers made. Suitable for all lawns and much used on golf courses. 5 blades. Hard rubber tires.
17-in. cut. \$35 95
Grass Catcher extra. \$2.50.

Meteor Mower (Not illustrated)

Light-weight aluminum construction. 5 crucible steel blades; 10-inch diameter aluminum wheel. Adjustable from ½ to 1¾ inches. Hard rubber tires.
16-in. cut (weighs 36 lbs.) \$31 00
19-in. cut (weighs 39 lbs.) 32 75
Grass Catcher extra, 16-in. \$2.50; 19-in., \$4.

Clemson Precision Mower

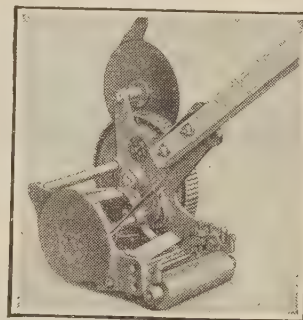
An exceptionally fine Mower. Easier rolling, easier turning. No "bobbing" on bumpy ground. More rigid—stays in alignment. Worm-gear action for micrometer-like self-locking adjustments without tools. Cuts closer to front and side obstructions. Finger-grooved plastic handles with bracket to hold catcher. 17-in. cut. Hard rubber tires. \$29.95. Grass Catcher extra. \$2.50.



Sunbeam Mower

Five blades, 10-inch drive wheels, ball bearing, pre-war malleable iron construction. A heavy duty Lawn Mower that will stand hard usage and give years of good cutting. 14-in., \$24.25; 16-in., \$25.25; 18-in., \$26.25. Grass Catcher extra for all sizes. \$2.50.

Pennsylvania Lawn Trimmer and Edger



Equipped with steel disc and small plow. Width of cut, 6 inches. Can mow close up to trees, walls, paths, and flower-beds. \$20.95

Turf Edger



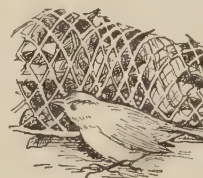
Half-Moon Edging Knife. Solid steel with a polished handle. \$1.90.

Planet Jr. Revolving Disc Edger



Trims accurately and quickly. \$2.50.

Netting



Made of strong cord

Bird. For the protection of strawberry beds and fruit trees against birds. 1-in. mesh only, 30 ft. wide. Cut to any length desired. \$4.50 per 100 sq. ft.

Sweet Pea. For training vines, garden peas, etc. 4½ ft. high; 5-in. mesh. 25 cts. per running ft.

Sudbury Soil-testing Outfits



De Luxe Kit

Tests for nitrogen, phosphorus, potash and acidity.

Home Garden Kit. (Four tests) \$2 50

Club Kit. (Makes 10 tests) 4 75

Horticultural Kit. (Makes 60 tests). 12 50

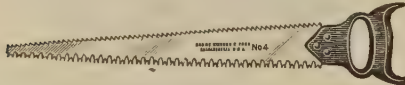
De Luxe Kit. (Makes 200 tests) 22 50

SAWS

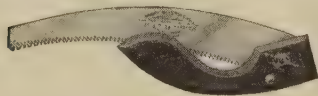
No. 1. Pole Tree Pruning Saw. Peg teeth; fastened to casting with bolt and wing nut. Blade 16 in. long, adjustable to three positions. Can be attached to pole of any desired length. Hook to dislodge cut limbs. Without pole; not illustrated. \$3.75.



No. 2. Tuttle Tooth Saw. Extra-sharp teeth, for hardwood cutting. 20-in. blade, \$3.85; 24-in. blade, \$4.50.



No. 3. Duplex Saw. Lightning teeth on one edge and fine cutting teeth on the opposite edge. 18-in. blade, \$2.75.



No. 4. Folding-Handle Saw with fine cutting teeth. Ideal for carrying in the pocket. Handle fastened to blade with wing nut and rivet. 12-in. blade, \$2.50.



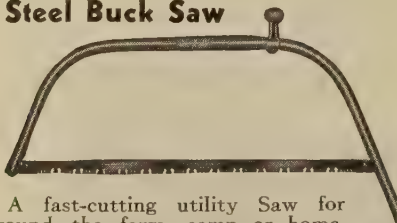
No. 6. Sawco Cross-cut Saw. An all-around, general-purpose Saw for the home and garden. 26-in. blade, \$5.75.

No. 9. One-man Crosscut Saw with sharp tuttle teeth for fast cutting. Particularly good for hardwood. 3-ft. blade, \$6; 4-ft. blade, \$8.

No. 7. The Forester. 1½ in. wide at point, 3½ in. wide at butt. Extra-large peg teeth. Will not bind. 26-in. blade, \$3.75.

No. 8. Paragon Saw. A curved blade with teeth on concave edge. Rip teeth cut on the pull. 22-in. blade, \$2.75.

Steel Buck Saw



A fast-cutting utility Saw for around the farm, camp or home. Special blade for hardwood cutting. Frame made of lightweight, extra-strength tubing, to maintain tension on the blade. Blade 32 in. long. Weight 3½ lbs. \$5.50. Extra blades, \$1.75 each.

Grape-thinning Shears



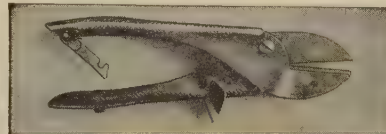
Excellent for trimming grape-vines and many other plants. Made of high-grade cutlery steel, chrome plated. 7 in. long. \$3.50.

SHEARS AND PRUNERS

Pruning Shears



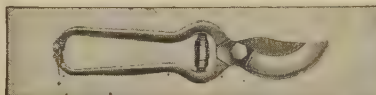
Sawco Solid Steel. Made of crucible tool steel. Tempered and fully polished. Ratchet nut keeps Shears properly tightened. 8-in., \$3.75; 9-in., \$4.75.



Snapcut. Light-weight Pruning Shears with draw-cut blades. Small, 6-in., \$1.89. Large, 7¼-in., \$2.50.



Alligator Pruning Shears (One-hand). 14 in. long. Light weight. Ideal for cutting in and around rose bushes and other thorny plants. \$1.50.



California Pattern. Made of fine cutlery steel. Length 8½ in. \$1.75.



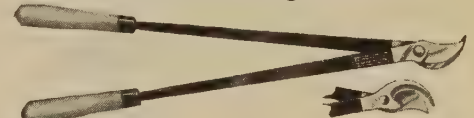
Crown Secateurs. Double-cut, razor-sharp, for clean no-bruise cutting. British made of Sheffield steel by the Wilkinson Sword Co., world's leading cutlers. 8 in. long. \$6.25.

Shrub and Tree Pruner

A practical Pruner with long reach for climbing roses, shrubs, briery bushes, young fruit trees. Prevent scratched hands and arms, climbing and bending over. Snap-cut anvil-action blade cuts branches up to ¾-in. diameter with ease. Comfortable pressed-steel handle, aluminum shaft, light weight. 4 ft. long, \$5; 6 ft. long, \$6.

POLES. For Pruners, Saws, Fruit Picker, etc. Made of selected seasoned wood. 10-ft., \$2; 12-ft., \$3; 16-ft. \$4. Customer pays transportation.

All-Steel Pruning Shears



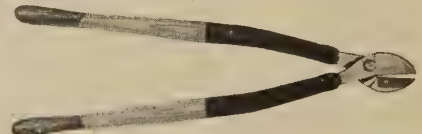
For tree branches. Strictly high-class Pruner. Light, powerful, and practical; cuts 1-inch limbs with ease. 20-in., \$3.75; 28-in. \$4.25.

Forester Pruner



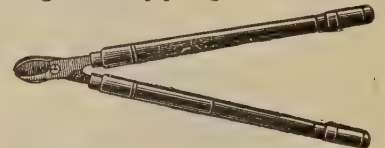
Heavy duty. Greater leverage of power slot promotes clear, easy cutting control. Cuts 1½-inch green wood. Length 27 inches. Weighs approximately 4 pounds. \$10.50.

Sawco Lopping Shears



Well-made heavy-duty draw-cut Shears, with brass anvil and high-tempered steel blade. Very easy cutting. An exceptional buy. Cuts branches 1 inch in diameter. Handles reinforced with steel ferrule one-third the length. Overall length 25 in. \$4.50.

English Lopping Shears



Imported. Good quality. 28-in. handle \$9.

Waters Tree Pruner

A very good Tree Pruner at a low price. The blade is made of high carbon tool-steel accurately ground to cut perfectly true. Hook also made of carbon steel.

10-ft. \$5 50
12-ft. 6 00
Extra Knives, 50 cts.

Telephone Tree Pruner

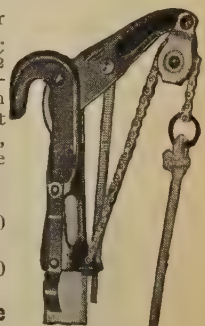
A powerful Pruner designed for heavy duty. Will cut branches 1½ inches in diameter. Malleable iron lever with pulley-rope pull. Flat steel coil spring. Price, head only, without pole and rope.

Junior Model.
For light work. \$5 00

Senior Model.
For heavy work \$8 50

JOINTED POLES for Above

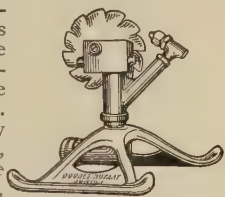
12 ft., with brass hardware; two sections.
To fit Junior Model. \$5 00
For Senior Model. 7 50



SPRINKLERS

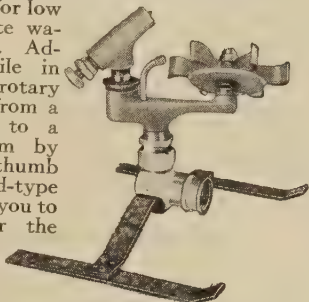
Junior Rotary Sprinkler

A very efficient Rotary Sprinkler plus the stationary feature which permits sprinkling in a straight line as well as in a circle. Gives a mist-like spray for seeded ground, rain-like performance for flowers, vegetables, lawns and shrubs. Covers up to 60 ft. in diameter depending upon pressure. \$11.50.



Dayton Rotary Sprinkler

Designed for low and moderate water pressure. Adjustable while in operation for rotary spread and from a light spray to a heavy stream by means of a thumb screw. Sled-type base enables you to pull it over the lawn without tearing up the turf. Covers up to 75 feet in diameter with 40 pounds pressure. \$9.

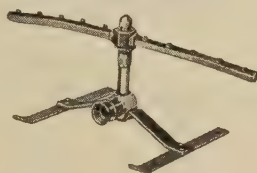


Hubbard Sprinkler

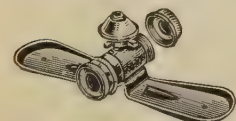
A three-arm ball-bearing Sprinkler that operates on pressure as little as 2 pounds. Faucet control from 12 sq. ft. to 1200. All brass and stainless steel construction except base, which is foundry cast. \$5.95.

Dayton No. 12 Sprinkler

This combination Sprinkler revolves and is adjustable to cover squares by setting both arms in the same direction with a lock nut. For rotary sprinkling, covers approximately 45 feet in diameter. For square sprinkling, covers an area 12 feet wide. \$6.50.

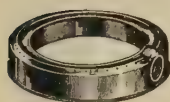


Adjustable Multiple Sprinkler



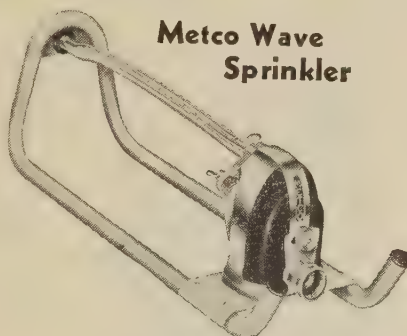
Connects between hose. Each head sprinkles a radius of 2½ ft. Adjustable from fine stream to positive shutoff. Set of 4 complete with end cap, \$5.60.

Ring Lawn Sprinkler



Made of heavy gauge sheet brass; 8½ inches in diameter; ¾-inch connection. Throws a well-distributed spray. \$1.50. Half-circle, \$1.25.

Metco Wave Sprinkler



A fan Sprinkler made of light-weight aluminum. Water sweeps evenly over a 2000 sq. ft. rectangle. Operates on normal pressure using 300 gallons per hour. \$16.95.

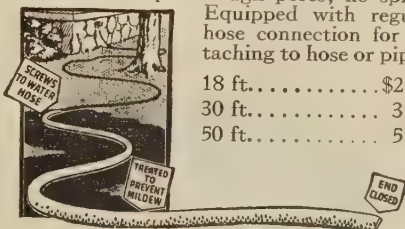
Avon Sprinkler

Not illustrated

A fan-type Sprinkler that will water a rectangular area 60 by 30 ft. Will operate on a minimum of 20 lbs. pressure. \$15.

Soil Soaker Hose

Made of porous canvas, 2 inches in diameter. Water seeps through pores; no spray. Equipped with regular hose connection for attaching to hose or pipe.



18 ft.....	\$2 20
30 ft.....	3 40
50 ft.....	5 50

You can water your plants at their roots and can give them plant-food at the same time. The ½-inch diameter, 36-inch tube has three discharge openings 6 inches from point. Equipped with shutoff and a food chamber, with twelve Cartridges. \$3.50. Extra Cartridges, \$1 per doz.



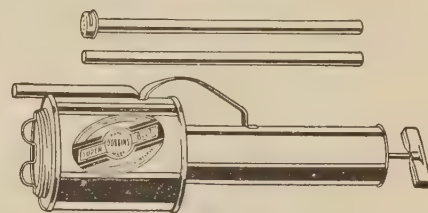
Ross Root Feeder

Water Wand

Releases water in a gentle flow at base of plants. Provides maximum amount with minimum waste. Water sinks deep into the soil. Connects to your garden hose. Long handle permits watering flower-beds without stepping on soil. Overall length 52 inches. \$3.50.



DUSTERS



Dobbins Duster No. 121. Holds about 3 to 4 pounds of dust. Pump 3 inches in diameter; 12 inches long. \$3.75.

Houchin Duster



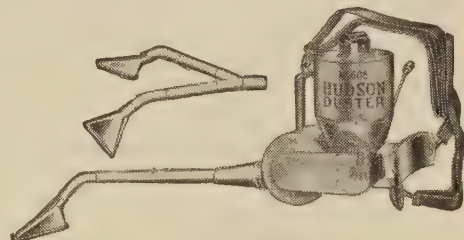
A small, inexpensive Duster for indoor use. Holds 4 ounces. Made of metal; long spout. 65 cts.



Admiral Duster

For dry powder insecticides and rodent controls. Capacity 1 lb. Long extension tube. Swivel nozzle dusts at any angle. \$1.75.

Roto-Power Duster



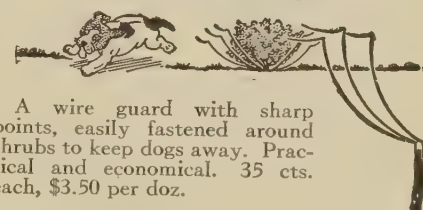
A high-velocity crank Duster for use in the field for applying most dusts. Will not clog or choke. Equipped with straps for carrying on shoulders. Includes three 15-in. telescoping tubes adjustable to any width or angle and two fan-shaped, self-cleaning, adjustable nozzles. Holds from 12 to 25 lbs. of powder. \$23.50.

Dust Respirator

Approved by the Bureau of Mines for use in conjunction with all types of dusts and sprays including Arsenate of Lead. \$3.



Shrub Protector



A wire guard with sharp points, easily fastened around shrubs to keep dogs away. Practical and economical. 35 cts. each, \$3.50 per doz.

SPRAYERS

Presto-Seal Sprayer



No possibility of leakage. As you pump, you seal. No necessity for removing pump cylinder for emptying or filling. Tank completely seam-welded top, bottom and side. Maximum pressure with minimum pumping effort. Furnished with 2-ft. extension rod, rubber-packed felt pad carrying strap. All-angle spray nozzle and a complete set of spray discs for various spraying jobs. Trigger-quick spray control valve machined from solid brass.

4-gal. zinc-coated tank. \$13 50
4-gal. stainless steel tank. 23 50
2½-gal. zinc-coated tank. 10 50

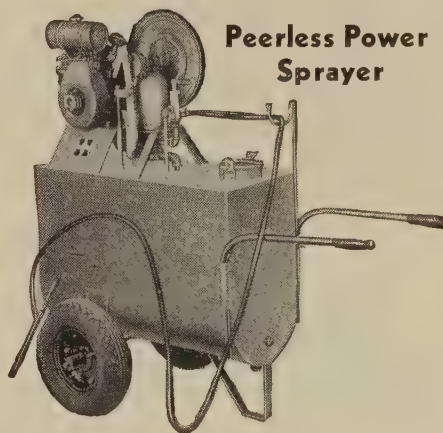
Spray Hose. High pressure. Best quality. ¾ or ½ in. Maximum pressure 300 lbs., 30 cts. per ft. Maximum pressure 500 lbs., 40 cts. per ft. Extra for fittings.

Knapsack Sprayer



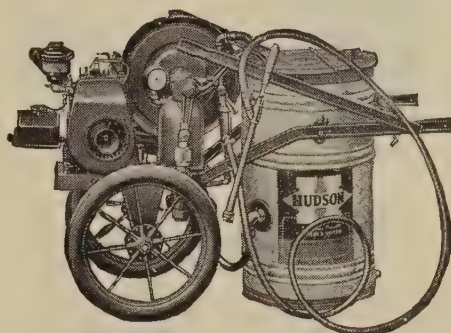
For continuous high-pressure spraying. 4-gal. tank. Can be discharged at uniform 80-lb. pressure. Two double paddle agitators. Diaphragm-type pump and brass compression chamber. Bronze ball valves; removable tubular copper strainer. Handle interchangeable from right to left without removing pump from back. Furnished with 5 ft. oil- and chemical-resistant hose. Solid brass control valve. 22-in. brass extension tube and an all-angle nozzle with discs for all types of spraying. Zinc-coated tank, \$29.75. Copper tank, \$39.50.

Peerless Power Sprayer



A very handy power unit with capacity and volume of discharge to do a job quickly. Full pneumatic-tire wheels 16 x 4 absorb the shocks and bumps of rough going; will not mar the surface when working on lawns, golf greens and gardens. Equipped with 1½ H.P. Lauson 4-cycle air-cooled engine (discharges 2 GPM. Develops 250 lbs. pressure). Steel welded tank, 50-gal. capacity. Furnished with 25 ft. of ¾-in. oil- and chemical-proof hose and single-nozzle, adjustable spray gun. \$285.

Defender Power Sprayer



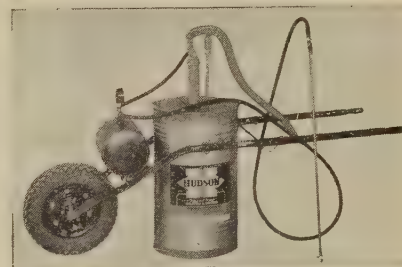
Here is a power Sprayer that has compactness, high pressure and portability for many uses on farms, nurseries, truck gardens, parks and estates. Equipped with 15-gal. heavy steel tank with ¾ H.P. Briggs & Stratton 4-cycle air-cooled engine. Develops 200 lbs. pressure discharging at 1½ GPM. Semi-pneumatic tires, 16 x 2. Furnished with 10 ft. of ¾-in. oil- and chemical-resistant hose and single-nozzle adjustable spray gun. \$180.

Hand Sprayer Parts

When ordering kindly describe Sprayer

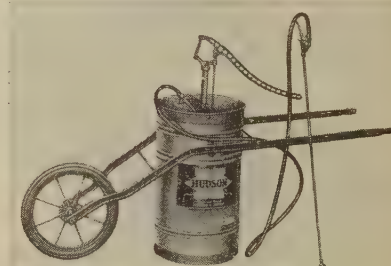
Auto-Pop Nozzle.	\$0 75
24-in. Brass Extension.	80
36-in. Extension.	1 00
48-in. Extension.	1 20
Auto-Pop Nozzle complete with Shut-off and Rubber Hose.	2 25
Shutoff; no Nozzle or Hose.	1 00
Bordo Nozzle.	1 50
Adjustable Spray Nozzle.	1 50
Three-Nozzle Boom.	4 00
Leather Cup Washer.	15

Ideal Sprayer



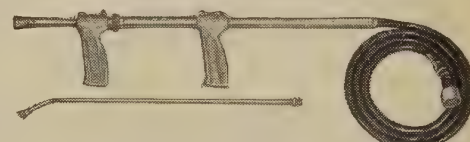
A heavy-duty, wheelbarrow-type Sprayer for the orchard, farm, nursery or florist. 15-gal. hinged covered tank mounted on strong steel frame. Pneumatic tires. Pump has capacity for two leads of hose at working pressure of 200 lbs. Metal agitator. Furnished with 10 ft. of hose, 3-ft. extension tube fitted with spray-control valve and brass nozzle and heavy-duty welded pressure tank. \$62.50.

Sunshine Sprayer



A handy wheelbarrow Sprayer that develops 250 lbs. pressure. Easy portability for all types of spraying work in the garden, orchard, poultry house and nursery. 15-gal. tank. Hard rubber-tired wheel. Equipped with 6 ft. of hose, 2½-in. extension spray tube, automatic spray control valve with lock-open device and brass spray nozzle. \$34.50.

Trombone Sprayer



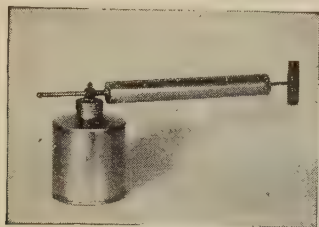
For jobs requiring continuous high pressure and long range for trees, vines, automobiles and many other uses on the farm. Cast aluminum hand grip, completely adjustable nozzle from fog to stream. Will rifle a stream 35 to 40 ft. Hand grips make for easy operation and better control of spray. Equipped with 6-ft. hose, heavy strainer to hold hose in pail (clip holds strainer in place.) High speed, extreme pressure. Gun-type unit. Finest workmanship, non-leaking. \$9.95.

Rubber Plant Spray

Used for watering plants and washing the foliage. Straight-neck. 12-oz. \$1.85.



Sawco Compressed-Air Sprayer



The most perfect small hand Compressed-Air Sprayer made. Delivers a **continuous** fog-like spray. Is fitted with straight and adjustable nozzles making a perfect **under-leaf Sprayer**. Holds 1 qt.

Brass Pump and Copper Tank.....\$3 00

All Tin..... 1 50

Tin Pump, Brass Fittings, Glass Tank.
(Not illustrated.)..... 2 00

Stainless Steel (Not illustrated.) A new 1-qt. capacity Sprayer with dual spray nozzle quickly adjustable. Non-corrosive. Can be used with any insecticide or fungicide, including 2-4-D and Ammate. \$4.75.

Japanese Beetle Trap

Most recent Trap developed. Rust-resisting, galvanized steel, enameled green and white. Complete with can of bait (no jar), \$1.85. Extra can of bait, 75 cts. Steel rod for hanging, 75 cts.



Victor Mole Trap

A spear type which harpoons the mole, causing instant death. Six prongs. 16 $\frac{3}{4}$ in. extreme length. \$1.75.

Havahart Animal Trap



Made of steel and screened wire. Very easy to set. Harmless to animals. 7 x 7 x 24 in. (for Muskrats, Mink, Rats, Chipmunks, Weasels, Squirrels, Rabbits), \$4.50. 11 x 11 x 36 in. (for Woodchuck, Raccoon, Opossum, Cats), \$10.50.

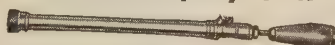
Special Fox Trap with live bait compartment. \$20.

Insectogun



Complete garden sprayer. Interchangeable jets for spraying plants and trees. Holds 1 qt. of concentrate; dilutes up to 3 gallons of spray material. Connects to your garden hose. Uses most insecticides and fungicides. \$5.95.

Orchard Spray Gun



For Small Units (discharging 1 $\frac{1}{2}$ gals. per minute), \$6.

For Large Units (discharging 3 or more gals. per minute), \$10.95.

Wotherspoon Watering Pots



A hand-made durable round Watering Can made of 26-gauge galvanized steel, reinforced double bottom and steel top. Long spout furnished with two roses, fine and coarse. 8-qt., \$11.50; 10-qt., \$12.75; 12-qt., \$14.50. Extra Roses \$1.50 each.

Watering Pots Warren-Church

(Not illustrated.) Made of heavy gauge galvanized iron. Short spout. Rose attached firmly with screw joint, cap removable for easy cleaning. 8-qt., \$2.25; 10-qt., \$2.75; 12-qt., \$3.25.

Torch

Asbestos. Attach to the end of a pole, saturate with kerosene, light, and hold under the caterpillars' nests, passing quickly along the branches. Without pole, 60 cts.

Trowels



Stumpwall. Best Trowel made. The ferrule and shank, as well as the blade, are forged in one piece; 6 inches long. \$1.75.

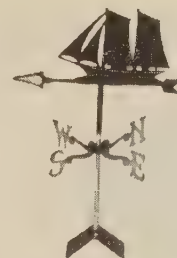
Forged Steel. This Trowel is second to the Stumpwall Trowel in quality and finish. The blade and shank are one piece, forged out of the best steel. 6-in., \$1.35.

Transplanting. 1 $\frac{1}{4}$ x 6 $\frac{1}{4}$ -in. blade, forged. Offset shank. \$1.35.

Aluminum. Light-weight. 5 $\frac{1}{2}$ -in. blade. \$1.50.

Warren-Church. Light weight stamped Steel. 6-in. blade; wood handle. 65 cts.

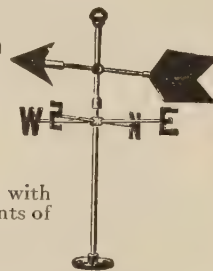
Sawco Weathervanes



Made of non-corrosive cast bronze with cast aluminum, full relief figures. Finished in shadow black, bright brass up-right, polished bronze letters. All Vanes are perfectly balanced and ball bearing. Roof plate, cast bronze, can be bent to any angle. 16 inches x 24 inches. \$14.50 each.

Sloop (as illustrated).
Peter Stuyvesant.
Horse and Carriage.

Warren-Church Weathervane



Lower price models with plain arrow figure and points of direction. Made of brass.

18 in. wide, 18 in. high, red.....\$7 50
24 in. wide, 24 in. high, red.....13 50

Weed Destroyer



Noxweed Cane

Made of tubular brass. Holds about 6 ounces of liquid. Ejects a fluid by drops from needle point that will destroy Dandelions, Plantains, and many other weeds. No stooping, no digging, no holes in the lawn. Gun complete with 1 qt. Liquid, \$2.50.

Extra Liquid, 85 cts. per qt.

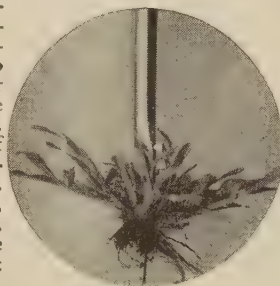
Weeders



Dandelion and Lawn. For dandelions and other weeds in the lawn. Bent, V-shaped blade, 3-ft. handle. 75 cts.

Weedawl

Will effectively remove all broad-leaf weeds. No stooping or bending. Cane length, 36 in. Point made of chromium-plated steel. Simply insert, twist and pull. No movable parts to get out of order. \$1.95.



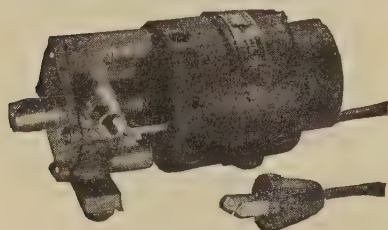
Weeding Knife



For removing weeds from lawns and cutting asparagus. V-shaped. 65 cts.

More Interesting Things for the Garden

Eastern Garden Pump

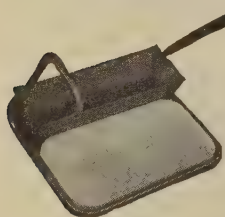


A compact, handy electric motor unit for fish-ponds, lily-ponds, and other small bodies of water. Specially constructed with intake and outlet for pumping the same water over and over again. \$37.50.



STIKIT WIKIT not only affords lasting protection but beautifies your lawn, garden and flower beds. Made of $\frac{3}{8}$ -in. hardened steel, enameled green, STIKIT WIKIT comes in convenient cartons of 2 doz., enough for an attractive 24-ft. fence. Individual Wickets 12 in. wide, 20 $\frac{1}{2}$ in. high. \$4.25 per carton.

Gardenade

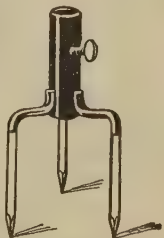


Kneeling pad and a convenient rack for garden tools. Upright handles are designed to lower and lift yourself with a minimum of effort. Kneeling pad is made of soft sponge rubber. 14 inches long, 11

inches wide, 12 inches high. Tool box holds all the tools within your reach. Has many household advantages, such as cleaning floors, waxing and polishing. \$4.50.

Lawn Prong

Made of steel; 3 sharp prongs 9 in. long, socket 8 in. long, 1 $\frac{1}{2}$ in. diam. with set screw for additional strength. Inserts into your lawn with body weight. Holds fast in the strongest winds. Ideal for lawn and beach umbrellas, badminton and tennis nets, portable lawn shower, to display the American flag, outdoor Christmas tree, lawn lights for parties and many other uses. Easily removable and set from place to place. \$3.98. Larger diameter sockets priced on request.



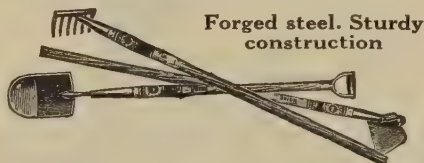
Featherlite Tool Set



High quality aluminum alloy; super strength; featherlite; perfect balance. Finger rest prevents slipping; eliminates fatigue. An ideal gift for your gardening friends.

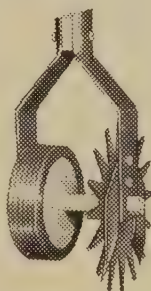
The Set. \$3 45
Tools also may be ordered individually.
Trowel. 5 $\frac{1}{2}$ -in. by 3-in. blade. 1 50
Transplanting Trowel. 4 $\frac{1}{2}$ -in. by 1 $\frac{1}{2}$ -in. blade. 1 00
Cultivating Fork. 4-tine. 1 30

Junior Tool Set



Forged steel. Sturdy construction

Practical for the woman gardener.
The Set. \$5 00
Tools also may be ordered individually:
Shovel. 1 75
Hoe. 1 75
Rake. 1 75



Rowel-Ezy Edger

Edges and shears at the same time. Roller or driving wheel operates at any angle on grass or concrete. Cuts both ways. \$4.45.

Henkel Flower-Gathering Shears



Nickel-plated. Made to hold within its grasp stems of cut-flowers. \$2.75.

Sundials

Tell the time by the sun! Made of cast bronze, highly finished, and accurate.

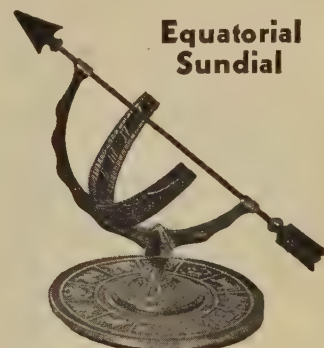


Seven-inch diameter. With your choice of inscription, "Time Takes All But Memories" or "Grow Old Along With Me The Best Is Yet To Be." \$6.75.

Nine-inch diameter. With your choice of inscription, "Time Takes All But Memories" or "Let Others Tell of Storms and Showers, I'll Only Mark Your Sunny Hours." \$9.85.

Diameter 10 in. With your choice of inscription, "Time Takes All But Memories" or "Let Others Tell of Storms and Showers, I'll Only Mark Your Sunny Hours." \$12.75.

Pedestal for any of the above four Sundials \$17 each. Price includes crating. Customer pays transportation.



Equatorial Sundial

The dignity of this exquisite creation lends itself to use in gardens and landscapes. 7 in. diam., 10 $\frac{1}{4}$ in. high. A beautiful and everlasting gift. Adds beauty to your garden. Semisphere-like. Made of heavy cast bronze. Designed along the same lines as those used by the ancients. Signs of the Zodiac are cast in the metal base. \$18.50.

Bamboo Fernery for House Plants



Attractive natural Bamboo throughout, ruggedly constructed. Tin pan, with rings for easy lifting out. 28 in. long, 11 in. wide, 7 $\frac{1}{2}$ in. deep, 30 in. overall height. \$7.50. Packing \$1 extra.

Tested, High Quality Dusts, Sprays and Chemicals

PURCHASER PAYS TRANSPORTATION

To avoid damage to plants we advise that the manufacturer's directions on the container be followed exactly—most important in the case of selective weed-killers, dormant sprays used late, and fumigants. Extreme care should be exercised in the storage and use of poisons.

THESE KILL INSECTS: the kind that chew—the kind that suck

ANT BAIT (Magi-Kil Jelly)

Clean, odorless and easy to use. Works satisfactorily indoors and outdoors.

Unusually effective because it contains Thallium Sulphate, which is tasteless to ants. The worker ants carry the jelly back to the nest, thus killing the queen and the entire colony.

For general applications use tubes. In the presence of children and pets, use traps.

Traps.....\$0 25 | 3-oz. tubes.....\$1 00
1-oz. tubes.....40 | 7½-oz. tubes....1 95

Magi-Kil Ant Powder Kit. A chlordane dust preparation. Consists of 1½-oz. rubber bulb applicator and 12 ounces of dust. \$1.25. 12-ounce refills, 75 cts. each.

Ant Powder. Rids lawns and shrubbery of ants. Simply dust lightly around the infested areas. 3 ozs. 50 cts., lb. \$1.50.

Arsenate of Lead. (Powder.) For chewing insects. 2 level teaspoonsfuls to 1 qt. water, 2 lbs. to 50 gals. Lb. 50 cts., 4 lbs. \$1.80, 24 lbs. \$10.50, 48 lbs. \$19.25.

Black-Leaf 40. Nicotine sulphate; for sucking insects. 1 teaspoonful to 1 gal. water, 1 oz. to 6 gals. Oz. 35 cts., 5 ozs. \$1.05, lb. \$2.45, 5 lbs. \$8.25, 10 lbs. \$14.50.

Borerkil. A preparation in jelly form for killing borers in stems. 2-oz. tube, \$1.

Fish-Oil Soap. For mild forms of scale and soft insects. 1 teaspoonful to 1 qt. of water, 1 lb. to 10 gals. Lb. 40 cts., 7½ lbs. \$2.75, 100 lbs. \$26.

Geigy's Garden Dust No. 1. Contains DDT and copper. For use on cucurbits, tomatoes and other garden crops. Lb. 39 cts., 3 lbs. 98 cts.

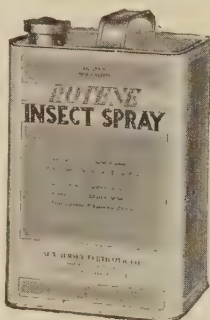
Geigy's Garden Dust No. 2. Contains methoxychlor and sulphur. Excellent for Mexican bean beetle. Lb. 39 cts., 3 lbs. 98 cts.

GLADIOLUS THRIP SPRAY. (Powder.) Effective during growing season. Use 1 teaspoonful to 1 quart water, 1 pound to 10 gallons. Lb. 75 cts., 5 lbs. \$3.

Gulf House Spray. A quick action household spray containing Pyrethrum and DDT. Kills mosquitoes, moths, ants, roaches and bed bugs. Pt. 33 cts., qt. 55 cts., gal. \$1.75.

Gulfspray Roach and Ant Killer. A fast-acting, long-lasting spray. Very effective against roaches and ants in and around the home. Do not use on vegetation. Contains 2% chlordane and 1.9% pyrethrins. Pt. 59 cts., qt. 98 cts., gal. \$3.49.

Paris Green. For chewing insects. Ingredient used in bran base. ¼lb. 20 cts., ½lb. 40 cts., lb. 65 cts., 5 lbs. \$3.



ROTENE

Non-poisonous, rotenone-thio-cyanospray. Harmless to fruits, vegetables, and flowers, humans and animals. For chewing and sucking insects. A teaspoonful to 1 gal. water, 1 oz. to 8 gals. 4-oz. bottle \$1, pt. \$2.50, qt. \$4, gal. \$13.50.

Sawco-Japy. (Japanese Beetle Milky Disease Spores.) Bacteria destroys the grub of the Japanese beetle, which injures turf and gardens. One pound mixed with 2 pounds of sand or soil treats 4000 sq. ft. ½lb. \$2.75, lb. \$5, 5 lbs. \$24.25.

SENOLED. A compound of lead arsenate and plant-food for grub-proofing lawns and gardens. Destroys Japanese beetles and earthworms. Broadcast at the rate of 3 pounds to 125 square feet, 25 pounds to 1000 square feet; double these quantities for the garden. 25 lbs. \$3, 100 lbs. \$8, 500 lbs. \$35, ton \$125.



HORTEX. The new rotenone contact and stomachic insecticidal dust combined with colloidal sulphur to preserve it and lengthen the period of insecticidal efficiency. Non-poisonous. For the control of many fungous diseases and chewing and sucking insects. A dust unsurpassed for its effectiveness. Contains 1 per cent rotenone. Lb. 50 cts., 5 lbs. \$2, 25 lbs. \$8, 100 lbs. \$27.50.

Loro. A thiocyanate contact insecticide for red spider and other mites, lace bug, mealy bug and white fly. Pt. \$3, gal. \$15.

Magnesium Arsenate. For the Mexican bean beetle. 6 teaspoonfuls to 1 gal. water, 2 lbs. to 100 gals. 2 lbs. 80 cts., 4 lbs. \$1.50, 8 lbs. \$2.75.



SYNDEET (DDT Liquid Spray)

An improved insecticide containing 30% DDT. It will control aphids, thrips, and European red-mites and, in addition, all potato insects, codling moth, Japanese beetles, boxwood miners and other insects controlled by DDT. Eight ounces will make 48 to 72 gallons of spray as directed on the container. ½pt. \$1, qt. \$3.

Tree Tanglefoot. A paste; traps crawling insects, gipsy moth, cankerworm, etc. Effective three to four months. One pound covers 18 feet 2 inches wide. For orchards, vineyards, and shade trees. Lb. 90 cts. 10 lbs. \$7.50, 25 lbs. \$16.

Volck Oil Spray. For outside use against mealy bugs, scale, red spiders, white flies. Dilute 5 tablespoonfuls to a gallon of water. Pt. 50 cts., gal. \$2.25, 5 gals. \$8.50.

SYNKLOR

New chlordane insecticide, for a fast, effective kill of Japanese beetle, ants and chinch-bugs. Also recommended for most garden and home pests.

Synklor-50-W Powder. 8 ozs. \$1.50, lb. \$2.50, 5 lbs. \$7.25, 10 lbs. \$14, 100 lbs. \$97.

Synklor-48-E-Liquid Emulsion. ½-pt. bottle \$1.25, 1-qt. bottle \$4, 1-gal. can \$13.60.

TOBACCO DUST, Kilndead. Clings to the foliage, killing soft-bodied insects. Controls chinch-bugs. Use 1 pound per 100 square feet. Lb. 35 cts., 5 lbs. \$1, 25 lbs. \$2.50, 100 lbs. \$6.

Wilson's O.K. Plant Spray. Safe nicotine spray for evergreens and flowers. Kills aphids, thrips, leafhoppers and young scale. Qt. \$1.15, gal. \$3.50, 5 gals. \$13.50.

At our Trial Grounds we test many compounds offered to the gardener and farmer. On the basis of efficiency we believe the preparations on these pages to be the most reliable, and we recommend them to you. Consult your County Agent, Experiment Station or State Agricultural College on this also.

THESE CONTROL FUNGOUS DISEASES

Anti-Damp. Prevents and checks damping-off. 1 pint to 25 gallons water. Pt. \$1.50, qt. \$2.40, gal. \$7.85.

Bordo-Mixture. (Dry Powder.) For fungous diseases. Use 5 tablespoonfuls to 1 gallon of water, 8 pounds to 50 gallons. Lb. 40 cts., 4 lbs. \$1.50, 24 lbs. \$8, 48 lbs. \$14.

Casein Spreader. A milk product. Recommended as a spreader for Arsenate of Lead, Bordo-Mixture, etc. 2-lb. pkg. 60 cts.

Ceresan. For diseases on narcissus and bulbous iris. 1½ lbs. \$1.25, 25 lbs. \$16.09, 100 lbs. \$57.75.

New Improved Ceresan. For control of bunt or stinking smut of wheat, oats, barley and sorghums. One ounce treats 2 bushels of seed; 1 pound, 32 bushels. 4 ozs. 45 cts., lb. \$1, 4 lbs. \$3.40, 40 lbs. \$28.75, 100 lbs. \$69.

Copper Sulphate, Crystal. Ingredient used in Bordo. For mildew and blight. Lb. 35 cts., 5 lbs. \$1.50, 25 lbs. \$5, 100 lbs. \$15.

Copper Solution, Ammoniated. For control of mildew and black-spot on roses. Does not disfigure foliage of plants. Use 1½ teaspoonfuls to 1 pint of water, 3 tablespoonfuls to 1 gallon. For greenhouse use and on tender plants, use one-half the strength. ½pt. 75 cts., qt. \$2, gal. \$6.

Du Pont F-531. A cadmium fungicide for the control of dollar spot on lawns and fine turfs. 4 lbs. \$6.75, 25 lbs. \$37.50, 100 lbs. \$140.

Fermate. Highly effective fungicide for most fruit trees, beans, tomatoes and celery. Use care; follow directions. 8 ozs. 75 cts., 3 lbs. \$3.75.

Phygon X. L. Powder. Wettable. A fungicidal spray for control of black-spot on roses, apple scab, tomato, azalea and bean blight. 2 ozs. 50 cts., 4½ ozs. \$1, lb. \$2.70.

Semesan Jr. A dust disinfectant for seed corn. Use 4 level tablespoonfuls to 1 bushel, 1 pound to 8 bushels. 12 ozs. 62 cts., 25 lbs. \$13.85, 100 lbs. \$49.95.

Semesan Bel. For scab and rhizoctonia on potatoes. Use 1 level tablespoonful to 2½ bushels, 1 pound to 60 bushels. Also for gladiolus corn rot. Soak 7 hours in 2 level teaspoonfuls to a gallon of water. 2 ozs. 50 cts., lb. \$2, 4 lbs. \$6.33, 40 lbs. \$59, 100 lbs. \$138.75.

Semesan. (Regular.) A mercurial disinfectant for vegetable and flower seeds or bulbs, to protect against root-rot and damping-off. Use a pinch to a packet of seed, ½ teaspoonful to 1 pound of seed. 2 ozs. 60 cts., 12 ozs. \$2.40, 4 lbs. \$11, 25 lbs. \$58.28, 100 lbs. \$219.80.

Semesan. (Special.) Organic mercury compound for controlling brown-patch. Lb. \$2, 4 lbs. \$6.92, 25 lbs. \$39.96, 100 lbs. \$149.85.

Rose Dust. (du Pont.) Contains Fermate for black-spot, mildew and rust. Also can be used on carnations and snapdragons, as a dust or spray. Lb. 1, 4 lbs. \$3.

Spergon. A non-poisonous yellow powder for treating seeds against damping-off. Stimulates root-growth and produces healthy, vigorous seedlings. Oz. 25 cts., 5 ozs. \$1, lb. \$2.25.

Sulphur, Dusting. 100 per cent pure sublimed. For mildew and rust on most plants. Use as a dust only. Lb. 35 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$4.50, 100 lbs. \$15.

Sulphur, Wettable. For black-spot and mildew. Can be used as a dust or spray. Use 4 teaspoonfuls to 1 gallon of water, 8 pounds to 100 gallons. Lb. 35 cts., 5 lbs. \$1.50.

Tersan. Brown-patch fungicide. 8 ozs. 80 cts., 4 lbs. \$5.16, 25 lbs. \$30, 100 lbs. \$115.

Tested, High Quality Dusts, Sprays and Chemicals

PURCHASER PAYS TRANSPORTATION

These Control Both Insects and Fungi

Calomel. For root maggot on cabbage, cauliflower, and broccoli, also gladiolus scab and neck rot. Treat seed and plants by dust or liquid method. Oz. 75 cts., ¼ lb. \$2, lb. \$5.

Corrosive Sublimate (Bichloride of Mercury). For potatoes, brown patch on lawns, earthworms, and gladiolus thrip. Oz. 75 cts., ¼ lb. \$2, lb. \$5.

Floral Dust, Du Pont. Contains rotenone, methoxychlor, Fermate and sulphur. An excellent dust for roses, carnations, mums. Controls blight, scab and leaf spot as well as sucking and chewing insects. Lb. \$1.15, 4 lbs. \$3.50.

Vegetable Garden Dust, Du Pont. A powder. Contains DDT, rotenone, Fermate and Zerlate. A combination that controls sucking and chewing insects as well as fungous diseases. Lb. \$1.15, 4 lbs. \$3.50.

PESTMASTER

3-in-1 Rose Treatment

No More Messy Mixing!
Easy—Economical—Resultful



Try this new, easy way to lovelier, longer lasting blooms. Contains everything you need for insect and fungous control on roses, azaleas, peonies other flowers and ornamentals. Contains DDT, rotenone, copper and sulphur, all blended into one formula for easy mixing . . . you just add water. KILLS rose chafer, Jap beetles, aphids, red spider; CONTROLS black-spot, leaf rust, powdery

mildew. 1-lb. can makes 64 quarts of spray, enough for season's treatment of 24 to 40 plants at cost of only 6c per plant.

1-lb. can. \$1 69

Spergon-Gladiolus Dust. Contains Spergon and 3% DDT. May be applied to corms before planting or after digging in the fall to control rot and thrips. May also be used on tulips, narcissus and iris. 2 ozs. 25 cts., lb. \$1.50, 10 lbs. \$10.75.

DORMANT SPRAYS

for Winter Use

Lime-Sulphur, Dry. For San Jose scale, peach-leaf curl, and blister mite. Use 3 level tablespoonfuls to 1 quart of water or 12 pounds to 50 gallons of water. For summer spraying against apple and pear scab, use slightly less than half of the above quantities. Lb. 60 cts., 5 lbs. \$2, 25 lbs. \$7.50.

Lime-Sulphur (Liquid). For San Jose scale and apple scab. Use 4 tablespoonfuls to 1 quart of water, 1 gallon to 9 gallons of water when plants are dormant. Qt. 50 cts., gal. \$1.25, 5 gals. \$3.50, 30-gal. bbl. \$10, 50-gal. bbl. \$14.

Scalecide. A dormant oil spray. Use on fruit trees, shrubs, and many other plants. Apply at the rate of 2 tablespoonfuls to 1 quart of water, 1 gallon to 15 gallons of water. Qt. \$1, gal. \$2.40, 5 gals. \$8.10, 30 gals. \$30.50, 55 gals. \$45.

Tree Surgery and Pruning Aids

Grafting Wax. Used for grafting, budding top-working, etc., of all trees. ¼ lb. 35 cts., ½ lb. 60 cts., lb. 90 cts.

Tree Cavity Fill. Add water to make it plastic. Lb. 75 cts., 5 lbs. \$2.50, 25 lbs. \$10.

Tree Wound Paint. Prevents decay. Penetrating, antiseptic, not affected by heat, cold, or moisture. Stops bleeding. Use it in conjunction with Tree Cavity Fill. Pt. 35 cts., qt. 65 cts., gal. \$1.75, 5 gals. \$7.

FUMIGANTS

They kill or repel with gas or fumes

Aerosect Bomb. Non-poisonous to humans and pets. Will not contaminate food. Kills moths, flies, roaches, etc. Non-inflammable. \$3.98. Refillable when returned for \$2.35.

Aerosol Insecticide Dispenser. Contains DDT formula combined with pyrethrum and Freon gas. Kills flies, mosquitoes, ants, bedbugs, roaches, waterbugs, silverfish. 12-oz. \$1.45.

Benzofume. Contains 7½% azo-benzene. Combines a control for red spider and certain mealy bugs. Use 1 oz. for each 700 cu. ft. of air space. ½ lb. 50 cts., lb. 90 cts.

Carbon Disulphide. Poisonous and explosive. For ants in lawns and walks. Apply to ant-hills with funnel. A tablespoonful to each. 1-lb. can 75 cts., 5 lbs. \$3.

D-D Soil Fumigant. Soil fumigant for root-knot nematodes, wireworms and other soil-borne pests. Either indoors or outdoors. Gal. \$5.85, 5 gals. \$21.60. Applicator extra, \$15.

Cyanogas Ant Killer. A powder that flows freely. Use outdoors only. Simply insert spout of can and pour into ant-hill. Cover hole. 4-oz. can 40 cts., \$4.40 per doz.

Cyanogas A Dust. Gas kills ants, rats, moles, and woodchucks. Use outdoors only. The Admiral Dust Gun on page 95 is good for applying this. Lb. 98 cts., 5 lbs. \$3.75, 25 lbs. \$12.50, 100 lbs. \$30. Foot Pump for large users, \$11.50.

Cyanogas G Fumigant. Releases hydrocyanic acid gas. Controls aphids, thrips, white fly. Scatter on greenhouse walks and close the house for the night. 5 lbs. \$3.75, 25 lbs. \$12.50, 100 lbs. \$30.

Naphthalene Flakes. For gladiolus thrips. Mix 1 ounce to 100 corms when storing. Also dust when planting. Lb. 35 cts., 5 lbs. \$1.50, 25 lbs. \$5.50, 100 lbs. \$18.

Nico-Fume Powder. 1-lb. can fumigates 25,000 cubic feet. ½ lb. 55 cts., lb. \$1.

Para-Dichlorobenzene. For peach borer attacking trees four years and older. One ounce for each tree. Lb. 50 cts., 5 lbs. \$2.25, 10 lbs. \$4.

Para-Scalecide. A combination of Scalecide and Para-Dichlorobenzene. One gallon makes 8 gallons of spray. A very effective treatment against peach-tree borer on both young and old peach trees. Qt. \$1.25, gal. \$2.90, 5 gals. \$9.10.

Tobacco Stems. For fumigating and placing under benches. High nicotine content. Bale (about 100 lbs.) \$4.50, 5 bales \$20.

Rodent and Worm Killers

Crow Repellent. Seed-preserver for corn. Small can, enough for 1 bus., 60 cts., large can, enough for 2 bus., \$1.

Kilmice. Tasty impregnated seed bait; poisonous. Quickly destroys mice in house or garden. 2½ ozs. 25 cts., 12 ozs. \$1.

Mouse-Nots. A meaty, easily hulled, treated seed bait which appeals to the taste of mice. Pkg. of 9 "nots" 25 cts., 50 "nots" \$1.

Molefume. A non-poisonous cartridge that liberates a deadly smoke. For moles, rats, gophers, woodchucks, hornets and wasps. Non-injurious to vegetation. Harmless to humans and pets. Use one cartridge every 15 to 25 feet. Box of 6 cartridges \$1.50, 5 boxes \$7, 10 boxes \$13.

Mole-Nots. Sure death to moles. Pkg. of 8 "nots" 35 cts., 50 for \$1.

Snarol. Contains meta powder. Non-injurious to vegetation. It kills cutworms, snails, slugs, sowbugs, earwigs. Lb. 35 cts., 2½ lbs. 75 cts., 6 lbs. \$1.50, 50 lbs. \$10.

Rat-Nots. Non-poisonous squill bait. Rats are attracted to their odor. Pkg. containing 9 "nots" 25 cts., 50 "nots" \$1.

Rat-Not Paste. Poison. Contains 5% Antu; new wartime rat killer. 1-oz. 35 cts.

Rat-Tu. Poison rat killer. Contains 25% Antu. Can be used for either baiting or tracking. Very effective. 1½-oz. pkg. 60 cts.

Vermol. For earthworms in lawns. Will not injure the grass, but has value as a grass food. Apply ½ lb. per square yard and flood the turf with water. Best results are obtained on warm, damp days. 5 lbs. \$1.50, 25 lbs. \$6, 100 lbs. \$10.

WEED KILLERS

Follow manufacturer's directions carefully.



TAT C-LECT (PMAS) Kills Crabgrass

Without Harming Turf!

Kill crabgrass selectively. Merely spray on TAT C-Lect; an effective fungicide, too. Quickest crabgrass control when applied early to seedlings. Four teaspoonfuls to a gallon of water over 100 sq. ft. 8-oz. bottle 85 cts., 16 ozs. \$1.50, gal. \$9.75.

AMMATE Kills Poison Ivy

One Application Does the Job!

Use 1 lb. per gal. of water sprayed over 100 sq. ft.

Makes it easy to kill poison ivy for keeps. Just mix with water and spray on. Kills foliage, roots and all. Kills poison oak and sumac. 2 lbs. 85 cts., 6 lbs. \$2.25, 50 lbs. \$13.50, 350 lbs. \$73.50.



TUFOR. A concentrated 2-4-D selective weed killer. Four ounces treats 3,250 sq. ft. of lawn to control dandelions, plantain and other unsightly weeds. Also controls poison ivy, honeysuckle and many other noxious weeds.

4-oz. bottle 27% \$1 00
1-pt. bottle 27% 2 00
1-qt. bottle 27% 3 50
Gal. 40% 8 30

NOXWEED. Kills all vegetation. Contains sodium arsenite. Applied by watering can, sprayer or sprinkling barrel. Harmless to stone, woodwork, or shoes. Gal. diluted 1 part to 40 of water covers 100 sq. yds. Qt. 85 cts., gal. \$2.50, 5 gals. \$10, 10 gals. \$18.50, 30 gals. \$40.50, 55 gals. \$65.

Sodium Arsenite. Most effective on plantains, dandelions and chickweed. Applications of from 2 to 8 ounces to 1000 square feet have been effective without injury to the grass. Lb. 75 cts., 5 lbs. \$2.50, 50 lbs. \$15, 100 lbs. \$28.50.

2-4-D Weed Killer. Du Pont. Liquid. 8-oz. can \$1.

Weedone. A liquid 2-4-D Weed Killer for dandelions, plantains, and other lawn weeds. 6 ozs. 75 cts., qt. \$2.50, gal. \$6.50, 5 gals. \$21.25.

Weedone Brush Killer No. 32. (Butoxy-Ethanol-Ester Formulation—2-4-5-T equivalent ⅓ lbs. per gallon.) Qt. \$4, gal. \$9.25.

Weedust. Powder 2-4-D Weed Killer for dandelions, plantains, etc. Effective for scattered weeds. Simply dust on. 12 ozs. 75 cts.

Zotox. A liquid. Kills crabgrass without destroying lawn grasses. Will also control chickweed, dandelion and plantain. A 16-oz. bottle covers 2000 sq. ft. 8 ozs. \$1, 16 ozs. \$1.50, 5 lbs. \$4.50.

Miscellaneous Helps

Calcium Chloride. Used on paths, driveways, tennis courts, playing-fields. Keeps down dust and weeds. Use one pound per 10 square feet. 100 lbs. \$4.50, 500 lbs. \$20.

Carbola. Disinfectant powder containing DDT. For soil treatment and insect control, use one pound to 50 sq. ft. Removes odors in poultry houses. Lb. 30 cts., 5 lbs. 85 cts., 25 lbs. \$2.50.

Chaperone. (Liquid.) Spray hedges, garbage cans, etc. to keep dogs and cats away. 4 ozs. 60 cts., 12 ozs. \$1.25.

Good-Rite Z.I.P. A liquid paste deer and rabbit repellent. Protects crops and orchards from deer and rabbits by rendering plants unpalatable. Use 2 pounds in 5 gallons of water; 25 gallons of diluted spray per acre. 10-lb. can \$15.

Rabbit Scat. A powder. Will repel rabbits, cats and dogs. Simply dust around plants sparingly. 6 ozs. \$1, lb. \$2.50.

SAWCO PRIZE-WINNER FERTILIZER

FOR THE GREENHOUSE AND GARDEN

We asked a leading fertilizer manufacturer what *he* would use to produce prize-winning Roses, Chrysanthemums, Pelargoniums, Cinerarias and other flowers; prize-winning vegetables and fruits regardless of the scarcity of ingredients or their cost.

He came up with this 6-12-4 Formula, which "will grow hair on a billiard ball," to use his words. It contains blood, bone, tankage, and other wonder-working organic materials, for lasting effect; along with basic slag, nitrate, sulphate of ammonia and of potash, etc. for immediate results. The whole finely screened. A pure, high quality product, well worth its cost.

Mix 5 pounds to a wheelbarrow of soil; outdoors dig under $\frac{1}{4}$ lb. to each 10 sq. ft. Side-dress during growth every two weeks.

5 lbs. \$1.25, 25 lbs. \$4.50, 100 lbs. \$15.

Sawco Brand Fertilizers are of our own manufacture. The best ingredients are used to ensure the utmost in results

SAWCO

General Garden Fertilizer

Over 30 lbs. of natural organic materials in each 100 lbs. For vegetables, flowers and fruit. Recommended strongly as the best for all-round work in the garden. Use it at the rate of 1000 pounds to the acre or 3 ounces to the square yard when preparing land for planting in the spring. Good practice, too, is to spread General Garden Fertilizer between the rows of plants when they are growing and then to hoe it into the soil; use about 3 pounds per 100 running feet for this, repeating every month. When planting beans, cucumbers, etc., in hills, a handful worked into the soil under the hill will be a great help, and the same thing may be done when planting tomatoes, cabbages, peppers, peonies, etc. Before sowing seeds in rows a little General Garden Fertilizer may be placed in the drill and the soil stirred to mix it thoroughly. 5 lbs. 60 cts., 25 lbs. \$2, 100 lbs. \$6, 500 lbs. \$25, ton \$80.

SAWCO

Acidulous Fertilizer

35% of the nitrogen is from organic sources. Rich in potash; contains sufficient nitrogen and phosphoric acid to give best results. Mix a handful with the soil before setting tubers and later top-dress with liberal applications worked into the soil. 5 lbs. 75 cts., 25 lbs. \$2.50, 100 lbs. \$7.50, 500 lbs. \$32.50.

SAWCO

Dahlia Food

35% of the nitrogen is from organic sources. Rich in potash; contains sufficient nitrogen and phosphoric acid to give best results. Mix a handful with the soil before setting tubers and later top-dress with liberal applications. 5 lbs. 75 cts., 25 lbs. \$2.50, 100 lbs. \$7.50, 500 lbs. \$32.50.

SAWCO

NIKOFOOD A Tobacco Fertilizer

All-organic. Contains every plant-food element required for growth in a slowly available form, especially potash. Recommended for all garden use, especially as a top-dressing for lawns. 50 lbs. per 1000 square feet may be applied several times a year to produce a healthy deep green turf. Insects dislike tobacco, the chief ingredient, and the use of Nikofood is advised as a partial protection against chinch bug. 50 lbs. \$3, 500 lbs. \$22.50, ton \$70.

SAWCO

TREEWIZ

A slowly available, high-analysis tree- and shrub-food in either cartridge or bulk form. 25% of the nitrogen is from organic sources. Use Tree Auger (see Implement Section) for application. Cartridges (4 to a box), \$1 per box. Bulk Material: 5 lbs. \$1.50, 25 lbs. \$3.50, 100 lbs. \$8.50, 500 lbs. \$37.50.

For lawns and golf putting-greens. A well-balanced formula of purest ingredients, designed to feed grasses and to keep them in a healthy condition. When building a lawn, from 1 ton to $1\frac{1}{2}$ tons per acre (Minimum 50 pounds per 1000 square feet) should be harrowed or raked into the upper surface. Every spring and early autumn existing lawns may be given a dressing of 500 to 1000 pounds per acre (20 pounds per 1000 square feet); when applied as a top-dressing to turf, it is best to mix the Emerald Grass Fertilizer with four times its bulk of fine soil or sand before broadcasting. Over 30 lbs. of natural organic materials in each 100 lbs. 5 lbs. 75 cts., 25 lbs. \$2.50, 100 lbs. \$6.50, 500 lbs. \$30, ton \$95.

SAWCO

Emerald Grass Fertilizer

SAWCO

SAWCONURE

100% organic plant-food containing peat-moss, cow-manure, and poultry manure, air-dried. Feeds plants and builds soil. Free from weed seed. For lawns and gardens. Use 25 pounds or more per 1000 square feet, one-half ton or more per acre, for existing grass, and from 50 pounds to 100 pounds per 1000 square feet when preparing land for seed. For vegetables, and flowers, use 100 pounds per 1000 square feet. 50 lbs. \$3.50, 500 lbs. \$30, ton \$85.

SAWCO

Rose Food

35% of the nitrogen is from organic sources. Made of specially compounded ingredients for the proper growth of roses. For new plantings, use two trowelfuls of Sawco Rose Food thoroughly mixed with the soil. For established plantings a liberal dusting every few weeks recommended. Work into the soil with rake or hoe. 5 lbs. 75 cts., 25 lbs. \$2.50, 100 lbs. \$7.50, 500 lbs. \$32.50.

SAWCO

SAWCOSOIL A Fortified Topsoil

To fine screened soil, we add mushroom manure, humus and sand. The resulting mixture is excellent for top-dressing lawns, allowing 500 lbs. or more per 1000 square feet. Ideal for filling window-boxes, flower pots, greenhouse benches and for city gardens. In bags, 5 lbs. 35 cts., 25 lbs. \$1.50, 100 lbs. \$3, 500 lbs. \$13.50, ton \$35.

Trace
THE BALANCED
PLANT FOOD

A complete plant-food containing the big four, and in addition twelve of the minor or trace elements. Dissolve one teaspoonful in one gallon of water, apply to the roots once a week and at transplanting time. Ideal for house plants; in the garden; for your lawn. Gives seedlings and shrubs a boost for rapid growth. $\frac{1}{2}$ lb. 65 cts., lb. \$1, 15 lbs. \$9, 35 lbs. \$21, 100 lbs. \$55. The trace elements give you more nutritive vegetables and fruits.

FERTILIZERS, MANURES, SOIL INGREDIENTS

Economy Fertilizer. A low-price Mixture with a high analysis (5-10-5). Contains the chemical ingredients for the proper growth of all plants. Good where quick results are needed, rather than a long-lasting plant-food. Will grow succulent vegetables and good flowers. 5 lbs. 50 cts., 25 lbs. \$1.60, 100 lbs. \$4.25.

Adco. The speedy compost maker. Add it to garden refuse, leaves, grass clippings to hasten decomposition. 5 lbs. \$1.25, 20 lbs. \$2.50, 150 lbs. \$15.

Aluminum Sulphate. Makes soil acid; much used for rhododendrons and similar plants. Not a fertilizer. Follow with an application of Sawco Acidulous Fertilizer. 5 lbs. 60 cts., 25 lbs. \$2, 100 lbs. \$6.

Ashes, Hardwood. Furnish potash. Use 10 pounds per 100-foot row. 5 lbs. 75 cts., 25 lbs. \$2.50, 100 lbs. \$6.

Blood, Dried. Adds nitrogen and a small amount of phosphorous. Used for greenhouse plants. Acts quickly. 5 lbs. \$1.50, 25 lbs. \$5, 100 lbs. \$15.

Bloomlife. Makes cut-flowers stay fresh. Family size pkg. (makes 26 qts.) \$1.

Bonemeal. Mixed fine and coarse. Recommended for the garden and for lawns. It is quick to give results, yet the benefits are lasting. The standard food for roses. Use 2000 pounds per acre or 5 pounds to the 100 square feet dug or raked into the soil; use one-half this rate when top-dressing grass. 5 lbs. 75 cts., 25 lbs. \$2.50, 100 lbs. \$7.50, 500 lbs. \$35.00.

Bone, Vineyard. $\frac{1}{4}$ to $\frac{1}{2}$ -inch pieces. For grape-vines and fruit trees. 25 lbs. \$3.50, 100 lbs. \$9.50.

Cattle Manure, Shredded. A soil-builder and mulch that is recommended for crops in hot, sandy soils. Ideal for perennial beds. 50 lbs. \$3.50, 500 lbs. \$30.

Charcoal. Sweetens and lightens sour and heavy land. Use 5 pounds per 100 square feet. 50 lbs. \$3.50.

Cottonseed Meal. An excellent organic plant-food with high amount of nitrogen. For fine lawns and all acid-loving plants. 5 lbs. \$1, 25 lbs. \$3.50, 100 lbs. \$8.50.

Gypsum. Widely used as a dusting on manure piles to fix and hold nitrogen. Furnishes lime to the land without an alkaline reaction. 100 lbs. \$3.50.

Hyponex. A complete balanced all-soluble plant-food. 7 ozs. 50 cts., lb. \$1, 10 lbs. \$8, 25 lbs. \$15, 100 lbs. \$40.

Lime, Agricultural, Hydrated. Corrects acid conditions of the soil, and is a plant-food. Binds loose soils and, curiously enough, opens heavy land. Quick acting. Specially prepared for horticultural purposes. As a winter dressing broadcast 1 ton to the acre or 5 pounds per 100 square feet. 5 lbs. 35 cts., 50 lbs. \$1.75, 500 lbs. \$12.50.

Limestone, Pulverized. 10 lbs. 50 cts., 50-lb. bag \$1.50, 5 bags \$7.

Muriate of Potash. For potatoes and root-crops. Alkaline reaction. Use $1\frac{1}{2}$ pounds per 100 square feet. 5 lbs. 90 cts., 25 lbs. \$3.00, 100 lbs. \$7.50.

Nitrate of Soda. Nitrogen in available form for lettuce and other leafy vegetables. Use 1 ounce to a gallon of water as liquid or $1\frac{1}{2}$ ounces to a square yard dry. Lb. 35 cts., 5 lbs. 75 cts., 25 lbs. \$2.50, 100 lbs. \$6.50.

Salt, Agricultural. For asparagus beds. 100 lbs. \$3.25.

Sand. Steamed; Sterilized. For seeds, cuttings, etc. 25 lbs. \$1, 100 lbs. \$3.

Sheep Manure. Use in the vegetable and flower-garden, also as liquid manure; 5 pounds per 100 square feet, 2000 pounds per acre. 5 lbs. 60 cts., 50 lbs. \$3.50, 500 lbs. \$27.50, ton \$80.

STIM-U-PLANT. Plant-food in tablets. Ideal for pot-plants and where food is required quickly. 30 tablets 35 cts., 100-tablet pkg. \$1, 1000-tablet pkg. \$5.

Sulphate of Ammonia. For lawns, use 1 oz. per square yard, mixed with several times its bulk of soil. 5 lbs. 75 cts., 25 lbs. \$2.50, 100 lbs. \$6.50.

Sulphate of Potash. Acid reaction. 5 lbs. 90 cts., 25 lbs. \$3.00, 100 lbs. \$7.50.

Super-Phosphate. Use freely. Supplies valuable phosphoric acid. 5 pounds per 100 square feet, one ton per acre. 5 lbs. 60 cts., 25 lbs. \$2, 100 lbs. \$3.50, 500 lbs. \$15.

Tan Bark, Spent. For bridle-paths, garden-paths and around rock-gardens. 100 lbs. \$5, 500 lbs. \$23.50, ton \$80.

Tankage. (Blood and Bone.) Contains 7% nitrogen, also some phosphoric acid and potash. 100 lbs. \$12.

Tobacco Stems. Excellent as a mulch; deters soil insects. Use 25 pounds per 100 square feet. Bale (about 100 lbs.) \$4.50, 5 bales \$20.

Humus. Peat Moss; Etc.

Mulch-o-Nure. Mixture of tobacco, peat, and plant-foods. Spread 1 inch thick around roses, grapes, shrubs, lilies, etc. Keeps roots cool, retains moisture, deters insects. 50 lbs. \$3.50, 500 lbs. \$27.50.

Humus. Soil ingredient, improving its texture, increasing its water-holding properties. For renovating old lawns. 50 pounds to 100 square feet. Double this quantity for making new lawns. 10 lbs. 50 cts., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$12, ton \$35.

Leaf-Mold. Used for preparing rhododendron beds and as an ingredient in potting soil. 100 lbs. \$4, 500 lbs. \$18.50.

Moss, Dry Sphagnum. Bale \$6.

Peat, Osmundi. For orchids. Bag \$6.

Peat Moss, Imported. In bales (approx. 17 bus.) \$6.50, 5 bales \$30, 10 bales \$55. Carton (2 bus.) \$1.50.

Michigan Peat "Nature's Finest Soil Builder"



A sedge Peat superior to imported. For winter mulching of rose-beds, perennials, shrubs. Use when making new lawns. Peck 85 cts., 5 cu. ft. bag \$3.85, 5 bags \$19, 10 bags \$36.

Root-Forming Chemicals Hormones

HORMODIN "B" POWDER. In three strengths for the rooting of cuttings.

No. 1. For most house and greenhouse plants such as carnations, chrysanthemums, roses, poinsettia, etc. Pkt. 25 cts., $1\frac{1}{4}$ -oz. jar 50 cts., lb. \$3.

No. 2. For shrub cuttings. $1\frac{1}{4}$ -oz. jar 75 cts., lb. \$4.50.

No. 3. For cuttings of evergreens and hardwood trees, and also bulbs. 1-oz. jar \$1, $\frac{1}{2}$ lb. \$4.50.

Combination package of above three Hormodin Powders, 1 oz. complete, 75 cts.

Rootone. A hormone powder for cuttings, seeds, tubers and bulbs. Simply dust seeds or cuttings. Also ideal for dusting grass seed, giving a quicker and heavier stand of grass. 2-oz. jar \$1, lb. \$5.

Fruitone. Prevents premature dropping of apples and pears. Excellent for setting better crops of tomatoes and beans. 2-oz. can \$1, 12 ozs. \$5.

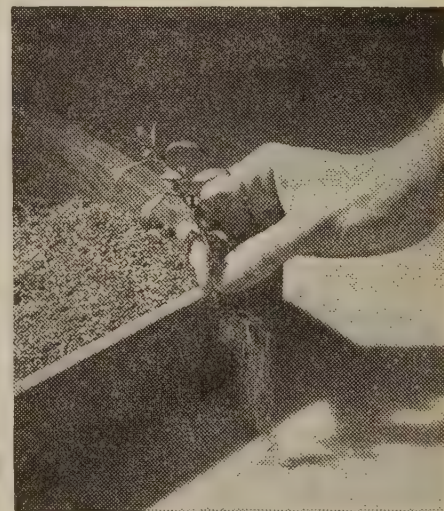
Transplantone. For stimulating roots when transplanting plants, trees and shrubs. Reduces wilt. 3-oz. can \$1, lb. \$4.

No-Seed. A plant-hormone spray that develops near-seedless tomatoes. 4 ozs. \$1, pint \$2.50.

Legume-Aid Seed Inoculant

Bushel size 50 cts., $2\frac{1}{2}$ -bus. size \$1, 100-lb. size 50 cts. Garden pkt. (treats up to 5 lbs. of garden peas, sweet peas, lima beans and lupines) 15 cts. On all sizes other than the garden packet, please specify seed to be inoculated.

Vermiculite Mica-Gro B-3



A natural mineral one-tenth the weight of sand or soil. Sterile, inert, retains water. Will not permit fungus or algae growth. It insures full benefit from hormones, vitamins and nutrient solutions. Useful in the germinating and starting of seeds. Helps to avoid damping-off and soil-borne diseases. Add 25 to 50 per cent to soil for potting. Use it around the roots of newly planted trees and shrubs. Holds moisture even during protracted dry spells. 4 qts. 50 cts., $\frac{1}{2}$ bus. \$1, 2-cubic-foot bags (weight about 20 pounds) \$2.

LAWN & FARM SEEDS

Page	
Lawnspread, Mixed Seeds,	1-4
Individual Grasses.....	1-4
Farm Grasses & Clovers,	
Field Corn, Cereals &	
Sundry Farm Seeds.....	5,6

VEGETABLES

Collections.....	18,23
Herbs.....	24
General List.....	7-23

FLOWERS

Aquatics.....	63
Bulbs.....	
1st Cov., 52-58, 3rd Cov.	
Flower Seeds.....	28-51
Hardy Perennials.....	64-76
Herbs.....	24
Roses.....	59-62, 4th Cov.
Shrubs, Climbers.....	79-84
Abronia.....	29
Abyssinian Sword Lily.....	52
Achillea.....	29
Acidanthera.....	52
Aconitum.....	29,64
Acorus.....	63
Acroclinium.....	29
Adam's Needle.....	76
African Daisy.....	29,36
Ageratum.....	29
Ageratum, Hardy.....	66
Agrostemma.....	29
Ajuga.....	64
Alisma.....	63
Alkanet.....	29
Allspice, Carolina.....	79
Almond, Flowering.....	79
Aloysia.....	24
Alpine Strawberries.....	46
Althaea.....	40,67,80
Alum-Root.....	39,67
Alyssum.....	28,29,64
Amaranth, Globe.....	39
Amaranthus.....	29
Amaryllis.....	52
Amethyst.....	32
Amelops.....	80,84
Amygdalus.....	79
Anacharis.....	63
Anchusa.....	29,64
Anemone.....	29,52,64,69
Anthemis.....	24,29
Antirrhinum.....	28,30
Aquatics & Portable Pool.....	63
Aquilegia.....	30,64,69
Arabis.....	29,64
Arctotis.....	29
Aristolochia.....	80
Armeria.....	29,64
Arrow-Head.....	63
Artemisia.....	24,64
Asclepias.....	29
Ash, Mountain.....	82
Asparagus.....	29
Asperula.....	24
Aster.....	28,31,65,69
Aster, Cornflower.....	46
Aster, Stokes'.....	46,75
Astilbe.....	65
Aubretia.....	29
Autumn Catchfly.....	46
Avens.....	39,67
Azalea.....	79
Baby Blue-Eyes.....	41
Baby's Breath.....	39,67
Bachelor's Button.....	34
Balloon Flower.....	43,74
Balloon Vine.....	29
Balsam.....	32
Barberry.....	83
Barberton Daisy.....	67
Basket Flower.....	34
Basket of Gold.....	64
Bean, Hyacinth.....	36
Bean Tree.....	79
Beard-Tongue.....	43,74
Beauty Bush.....	79,81
Bechtel's Crab.....	79
Bee-Balm.....	24,73
Begonia.....	32,52,3rd Cov.
Bell, Canterbury.....	33,65
Bell, Coral.....	39,67
Bell, Golden.....	79,81
Bellflower.....	33,65,74
Bellflower, Chilean.....	43
Bellflower, Oriental.....	43
Bellis.....	82
Berberis.....	33
Bergamot.....	24,73
Bignonia.....	80
Bittersweet.....	80,84
Black-eyed Susan.....	46

Blanket Flower.....	39,67
Blazing Star.....	40,73
Bleeding-Heart.....	55,58,66
Blue Bonnet.....	46,75
Blue Bottle.....	34
Blue Eyes, Baby.....	41
Blue Marguerite.....	39
Blue Sage.....	75
Bluebell, California.....	43
Bluebells of Scotland.....	33
Bluet.....	32
Bocconia.....	32
Boneset.....	66
Bonnet, Blue.....	46,75
Boston Ivy.....	80,84
Bottle, Blue.....	34
Boxwood Edging.....	80
Brachycome.....	32
Breath, Baby's.....	39,67
Bridal Wreath.....	80
Browallia.....	32
Buddleia.....	79,82
Buff-Flower.....	64
Bugloss.....	29,64
Burning-Bush.....	36
Buttercup.....	55
Butterfly Bush.....	79,82
Butterfly Flower.....	46
Butterfly Lily.....	63
Butterfly Weed.....	29
Button, Bachelor's.....	34
Cabomba.....	63
Cactus.....	32
Caladium.....	52,3rd Cov.
Calceolaria.....	32
Calendula.....	32
California Bluebell.....	43
California Poppy.....	36
Calla.....	52
Calliopsis.....	33
Calycanthus.....	79
Campanula.....	33,65
Campion.....	41,75
Campion, Rose.....	73
Candytuft.....	33,73
Canna.....	52
Canterbury Bells.....	33,65
Cape Marigold.....	36
Cardinal Climber.....	32
Cardinal Flower.....	41
Carnation.....	28,33
Carolina Allspice.....	79
Castor-Bean.....	33
Catananche.....	32
Catchfly.....	41,46,73,75
Catnip.....	24
Cattail.....	63
Celandine, Tree.....	32
Celastrus.....	84
Celosia.....	34
Centaurea.....	34
Cerastium.....	32
Ceratopteris.....	63
Cercis.....	79,81
Chamomile.....	24
Chaste Tree.....	79,81
Cheiranthus.....	33
Chelone.....	33
Cherry, Flowering.....	80
Cherry, Jerusalem.....	46
Cherry Pie.....	39
Chestnut, Chinese.....	79
Chilean Bellflower.....	43
Chimney Bellflower.....	33
Chinese Chestnut.....	79
Chinese Fleecce.....	84
Chinese Forget-me-not.....	35
Chinese Lantern.....	43
Chinese Woolflower.....	34
Christmas Rose.....	67
Chrysanthemum.....	24,34,66,70
Chrysogonum.....	65
Cigar Plant.....	35
Cineraria.....	34
Cineraria, Annual.....	32
Clarkia.....	34
Clary.....	75
Clematis.....	84
Cleome.....	34
Climbing Mignonette.....	55
Cobaea.....	34
Cockscomb.....	34
Cold Storage Bulbs.....	56
Coleus.....	35
Collections, Flowers.....	51,63,72
Colocasia.....	63
Columbine.....	30,64,69
Coneflower.....	45,75
Convolvulus.....	32,37,40
Coral Bells.....	39,67
Cordylone.....	36
Coreopsis.....	33,66
Cornflower.....	34

INDEX

Page	
Cornflower Aster.....	46
Cornus.....	79
Cosmos.....	28,35
Costmary.....	24
Cowslip.....	45
Crab, Flowering.....	79,82
Creeping Sailor.....	40
Creeping Thyme.....	46
Cress, Wall.....	29
Cress, Rock.....	64
Cup-and-Saucer Bells.....	33
Cup-and-Saucer Vine.....	34
Cup-flower.....	41
Cuphea.....	35
Cupid's Dart.....	32
Cyclamen.....	35
Cydonia.....	79
Cynoglossum.....	35
Cyperus.....	63
Cypress, Ground.....	75
Cypress, Summer.....	40
Cypress Vine.....	35
Dahlia.....	52,53,58
Dahlias from seed.....	28,36
Daisy, African.....	29,36
Daisy, Barberton.....	67
Daisy, English.....	32
Daisy, Kingfisher.....	39
Daisy, Michaelmas.....	31,65,69
Daisy, Midsummer.....	36
Daisy, Painted.....	44
Daisy, Shasta.....	34,66
Daisy, Swan River.....	32
Daisy, Tahoka.....	46
Daisy, Transvaal.....	39,67
Dame's Violet.....	39
Daphne.....	65
Datura.....	36
Day-Lily.....	68
Delphinium.....	35,66,69
Deutzia.....	79
Dianthus.....	36,49,66,75
Dicentra.....	55,58,66
Dictamnus.....	36
Didiscus.....	36
Dielstra.....	55,58,66
Digitalis.....	36,66
Dimorphanthea.....	36
Dittany.....	36
Dogwood.....	79
Dolichos.....	36
Doronicum.....	36,66
Dracena.....	36
Dragonhead, False.....	43,74
Duck Weed.....	63
Dusty Miller.....	29,34
Dutchman's Pipe.....	80
Echinops.....	36
Edelweiss.....	36
Egyptian Paper Plant.....	63
Eichhornia.....	63
Elephant's Ear.....	52
English Daisy.....	32
English Ivy.....	67,80
Erigeron.....	36
Erinus.....	36
Eschscholtzia.....	36
Eunymous.....	80
Eupatorium.....	66
Euphorbia.....	36
Evening Primrose.....	43,73
Evening-Scented Stock.....	41
Everlastings, List of.....	51
Everlasting Sweet Pea.....	40
False Dragonhead.....	43,74
False Wall Cress.....	29
Fanwort.....	63
Felicia.....	39
Fennel Flower.....	39
Fern Spores.....	39
Fern, Water.....	63
Feverfew.....	41
Firebush, Mexican.....	40
Flag Grass.....	63
Flag.....	63,68
Flag Sweet.....	63
Flag, Yellow.....	63
Flame-Flower.....	49,76
Flax.....	40,73
Fleabane.....	36
Fleecce, Chinese.....	84
Fleur de Lys.....	68
Floating Heart.....	63
Floribunda Roses.....	4th Cov.
Floss Flower.....	29
Flowering Almond.....	79
Flowering Cherries.....	79

Page	
Flowering Crab.....	79
Flowering Moss.....	74
Flowering Peach.....	79,83
Flowering Quince.....	79
Forget-me-not.....	41,73
Forget-me-not, Chinese.....	35
Forsythia.....	79,81
Four o'Clock.....	39
Foxglove.....	36,66
Fringe Flower.....	46
Fuchsia.....	39,67
Funkia.....	67
Gaillardia.....	39,67
Garden Heliotrope.....	49
Garland Flower.....	65
Gas-Plant.....	36
Gayfeather.....	40,73
Geranium.....	39
Geraniums, Scented.....	24
Gerbera.....	39,67
Germander.....	76
Geum.....	39,67
Ghost Plant.....	64
Ginger Lily.....	63
Gladiolus.....	1st Cov., 54
Globe Amaranth.....	39
Globe Flower.....	49
Globe Thistle.....	36
Gloriosa (Glory Lily).....	55
Gloxinia.....	39,55,3rd Cov.
Gnaphalium.....	36
Godetia.....	39
Gold, Basket of.....	64
Golden Bell.....	79,81
Golden Chain.....	79
Golden Knees.....	65
Golden Rain.....	29
Gomphrena.....	39
Gourds.....	39
Grandma's Garden.....	51
Grass Pink.....	36
Grasses, Ornamental.....	51
Ground Cypress.....	75
Ground Ivy.....	41,73
Ground Pink.....	74
Gypsophila.....	39,67
Harebell.....	33
Heal-All.....	24,49
Heart, Bleeding.....	66
Heartsease.....	43
Hedera.....	67,80
Hedge Plants.....	83
Hedychium.....	63
Helenium.....	39
Helianthemum.....	39
Helianthus.....	39,67
Helichrysum.....	39
Heliopsis.....	39,67
Heliotrope.....	39
Heliotrope, Garden.....	49
Helleborus.....	67
Hemerocallis.....	68
Hesperis.....	39
Heuchera.....	39,67
Hibiscus.....	39,67,80
Hills of Snow.....	79
Hollyhock.....	40,67
Honesty.....	39
Honeysuckle.....	80,84
Hop, Ornamental.....	40
Hopa Crab.....	79,82
Hosta.....	67
Hound's Tongue.....	35
Houseleek.....	75
Humulus.....	40
Hunemannia.....	40
Hyacinth Bean.....	36
Hyacinth, Water.....	63
Hyacinthus.....	55
Hydrangea.....	79
Hydrocleis.....	63
Iberis.....	33,73
Iceland Poppies.....	45
Ice Plant.....	41
Impatiens.....	40
Incarvillea.....	40
Ipomoea.....	32,37,40
Iris.....	63,68,70
Irish Shamrock.....	46
Ivy, Boston.....	80,84
Ivy, English.....	67,80
Ivy, Ground.....	41,73
Ivy, Kenilworth.....	40
Jacob's Ladder.....	84
Jerusalem Cherry.....	46
Joseph's Coat.....	29
Judas Tree.....	81
Kenilworth Ivy.....	40
Kingfisher Daisy.....	39
Kochia.....	40
Kolkwitzia.....	79,81
Kwanzan.....	80

Page	
Lablab.....	36
Laburnum.....	79
Lace, Queen Anne's.....	36
Lace Vine, Silver.....	84
Lady's Love.....	24
Lady, Painted.....	75
Lady's Slipper.....	32
Lantana.....	40
Lantern, Chinese.....	43
Larkspur.....	35,37,40,66,69
Lathyrus.....	38,40,49
Lavatera.....	40
Lavender.....	24,40,73
Lavender-Cotton.....	24,75
Lavender, Sea.....	46
Leadwort.....	74
Lemna.....	63
Lemon Verbena.....	24
Lenten Rose.....	67
Leontopodium.....	36
Leopard's Bane.....	36,66
Liatrias.....	40,73
Ligustrum.....	83
Lilac.....	79,82
Lilies.....	40,56,57
Lily, Abyssinian Sword.....	52
Lily, Butterfly.....	63
Lily, Day.....	68
Lily, Ginger.....	63
Lily, Glory.....	55
Lily, Plantain.....	67
Lily-of-the-Valley.....	56,58
Linaria.....	40
Linum.....	40,73
Live Forever.....	75
Lobelia.....	41
Lonicera.....	80,84
Lotus.....	63
Love-in-a-Mist.....	43
Love-in-a-Puff.....	29
Ludwigia.....	63
Lupine.....	41,73
Lychnis.....	41,73
Lycoris.....	52
Madagascar Periwinkle.....	50
Madeira Vine.....	55
Madwort.....	29,64
Magnolia.....	79
Maiden Pink.....	36
Mallow.....	40,67
Maltese Cross.....	41
Malus.....	79
Marguerite.....	29

FLOWERS, Continued

	Page
Nepeta.....	24,41,73
Nicotiana.....	41
Nierembergia.....	41
Nigella.....	43
Night-scented Stock.....	41
Nolana.....	43
Nuts.....	26,79
Nymphæas.....	63
Nymphoides.....	63
Oenothera.....	43,73
Old Maid.....	50,76
Old Man.....	24
Orange Milkweed.....	29
Orange, Mock.....	80
Ornamental Grasses.....	51
Oswego Tea.....	24,73
Oxalis.....	55
Ox-Eye.....	67
Pachysandra.....	73
Painted Daisy.....	44,75
Painted Lady.....	75
Painted Tongue.....	38,45
Palma Christi.....	33
Palm, Umbrella.....	63
Pansy.....	43,47
Pansy, Tufted.....	50,76
Papaver.....	45,71,74
Paper Plant, Egyptian.....	63
Parrot Feather.....	63
Pasque Flower.....	64
Passiflora (Passion Flower).....	43,47,80
Peach, Flowering.....	80,83
Peach Bells.....	33
Pelargonium.....	39
Pentstemon.....	43,74
Peonies.....	71,73
Pepper Tree, Monk's.....	79,81
Peppermint.....	24
Perennial Plant Collections.....	72
Periwinkle.....	50,76
Peru, Marvel of.....	39
Petunia.....	44,47
Phacelia.....	43
Philadelphus.....	79
Phlox.....	44,71,74
Physalis.....	43
Physostegia.....	43,74
Pickering Rush.....	63
Pincushion Flower.....	38,46,75
Pink.....	36,49,66,75
Pink, Moss.....	74
Pink, Sea.....	29
Pipe, Dutchman's.....	80
Pistia.....	63
Plantain Lily.....	67
Plantain, Water.....	63
Platycodon.....	43,74

	Page
Pleurisy Root.....	29
Plum, Flowering.....	80
Plumbago.....	74
Plume Poppy.....	32
Poinsettia, Annual.....	36
Poker-Plant.....	49,71,76
Polygonum.....	45
Polyglossis.....	84
Pontederia.....	63
Poppy.....	45,71,74
Poppy, California.....	36
Poppy, Plume.....	32
Poppy, Santa Barbara.....	40
Poppy, Tulip.....	40
Poppy, Water.....	63
Portulaca.....	38,45
Pot Marigold.....	32
Primrose.....	45,75
Primrose, Evening.....	43,73
Primula.....	45,75
Privet.....	83
Prunus.....	79,80
Pussy Willow.....	80,83
Pyrethrum.....	44,75
Quamoclit.....	32,35
Queen Anne's Lace.....	36
Quince, Flowering.....	79
Ragged Sailor.....	34
Ranunculus.....	45,55
Redbud.....	80,81
Red-Hot Poker.....	49,71,76
Reseda.....	41
Rice, Wild.....	63
Richardia.....	52
Ricinus.....	33
Rock Aster.....	31
Rock-Cress.....	29,64
Rock Garden Seed Mixture.....	51
Rocket, Sweet.....	39
Rose Campion.....	29,73
Rose Mallow.....	67
Rosemary.....	24
Rose of Sharon.....	80
Rose, Sun.....	39
Roses.....	59-62, 4th Cov.
Rowan.....	82
Rudbeckia.....	45,75
Rue, Meadow.....	46,75
Sage.....	45,75
Sagittaria.....	63
Salix.....	80,83
Salpiglossis.....	38,45
Salvia.....	45,75
Salvinia.....	63
Santa Barbara Poppy.....	40
Santolina.....	24,75
Saponaria.....	46
Satipod.....	39
Scabiosa.....	38,46,75
Scarlet Sage.....	45

INDEX

	Page
Schizanthus.....	46
Sea-Lavender.....	46
Sea-Pink.....	29,64
Seal Flower.....	55,66
Sedum.....	75
Sempervivum.....	75
Sensitive Plant.....	41
Sesamum.....	24
Shamrock.....	46
Shamrock, American.....	55
Sharon, Rose of.....	79
Shasta Daisy.....	34,66
Shell Flower.....	55,58,63
Shrubs.....	79-83
Silene.....	46,75
Silver Lace Vine.....	84
Slipperwort.....	32
Snakeroot.....	40
Snape dragon.....	28,30
Snapweed.....	40
Sneezewort.....	39
Snowball.....	80,83
Snow, Hills of.....	79
Snow-in-Summer.....	32
Snow-on-the-Mountain.....	36
Solanum.....	46
Sorbus.....	79
Southernwood.....	24
Speedwell.....	50,76
Spider Flower.....	34
Spink.....	36
Spiraea.....	65,80
Spurge.....	36,73
Star, Blazing.....	40,73
Star Glory.....	32
Starwort.....	31,65
Statice.....	46
Stock.....	46
Stock, Evening-scented.....	41
Stock, Virginian.....	50
Stokesia.....	46,75
Stoncrop.....	75
Strawberries.....	25,46
Strawberry Shrub.....	79
Straw Flower.....	39
Sultan, Sweet.....	34
Summer Cypress.....	40
Sundrop.....	73
Sunflower.....	39,67
Sunflower, Mexican.....	46
Sunflower, Perennial.....	67
Sun-Plant.....	38,45
Sun Rose.....	39
Swan River Daisy.....	32
Sweet Alyssum.....	28,29,64
Sweet Flag.....	63

	Page
Sweet Pea.....	38,49
Sweet Pea, Hardy.....	40
Sweet Rocket.....	39
Sweet Shrub.....	79
Sweet Sultan.....	34
Sweet Violet.....	76
Sweet William.....	49,75
Sweet Wivelsfield.....	36
Sword Lily.....	54
Sword Lily, Abyssinian.....	52
Syringa.....	79,82
Tagetes.....	46
Tahoka Daisy.....	46
Tamarix.....	80
Taro.....	63
Teucrium.....	76
Thalictrum.....	46,75
Thermopsis.....	46,76
Thistle, Globe.....	36
Thoroughwort.....	66
Thrift.....	29,64
Thunbergia.....	46
Thyme.....	24,46,76
Tibetan Poppies.....	45
Tickseed.....	66
Tigridia.....	55,58
Tithonia.....	46
Toadflax.....	40
Tobacco, Scented.....	41
Torch-Lily.....	49,71,76
Torenia.....	46
Touch-Me-Not.....	40
Transvaal Daisy.....	39,67
Tree Celandine.....	32
Tritoma.....	49,71,76
Trollius.....	49
Trumpet Flower.....	36
Trumpet Vine.....	80
Tuberose.....	55,58
Tufted Pansies.....	50,76
Tulip Poppy.....	40
Turtlehead.....	33
Typha.....	63
Umbrella Palm.....	63
Valerian.....	24,49
Vallisneria.....	63
Verbascum.....	50
Verbena.....	49,76
Verbena, Lemon.....	24
Veronica.....	50,76
Vervain.....	76
Viburnum.....	80,83
Vinca.....	50,76
Viola.....	50,76
Violet, Dame's.....	39
Violet, Sweet.....	50,76
Virginian Stocks.....	50
Virgin's Bower.....	84
Viscaria.....	50
Vitex.....	79,81

	Page
Wall Cress, False.....	29
Wallflower.....	50
Wallflower, Siberian.....	33
Water Fern.....	63
Water Hyacinth.....	63
Water Lettuce.....	63
Water Lilies.....	63
Water Nasturtium.....	63
Water Plantain.....	63
Water Poppy.....	63
Water Taro.....	63
Waxwork.....	84
Weigela.....	80
Wild Flower Mixture.....	51
Wild Rice.....	63
William, Sweet.....	49,75
Willow.....	80,83
Windflower.....	29,64,69
Wisteria.....	80
Wivelsfield, Sweet.....	36
Wolf's Milk.....	36
Woodruff.....	24
Woollflower, Chinese.....	34
Wreath, Bridal.....	80
Yarrow.....	24,29
Yellow Flag.....	63
Youth and Old Age.....	48,50
Yucca.....	76
Zantedeschia.....	52
Zephyranthes.....	55
Zinnia.....	48,50
Zinnia, Hardy.....	39
Zizania.....	63

INSECTICIDES FUNGICIDES

Dusting and Spraying Materials, D.D.T., Tobacco Dust, Chlordane, Vermol, Weed Killers, etc..... 99,100

PLANT NUTRIENTS SOIL INGREDIENTS

Dessicated Manures, Fertilizers, Sawconure, Trace-L, Vermiculite, Humus, Peat-moss, etc..... 101,102

TOOLS & SUNDRY GARDEN SUPPLIES

Portable Pool..... 63
Gifts for Gardeners..... 77
Books..... 78
Bird Houses & Feeders..... 78
General List..... 85-98

HOW TO ORDER

FOR YOUR CONVENIENCE—You may use the order sheets provided with this catalogue. Please send orders and correspondence to our New York headquarters.

PLEASE ORDER EARLY—well in advance of the time the merchandise is needed for use, so we can make shipment in plenty of time for planting.

A Check, Bank Draft, Post-Office or Express Money Order may accompany your order, and if you send currency, be sure to use registered mail.

We will be glad to ship seeds, bulbs, and fertilizers C. O. D., but this does not apply to perishable goods, like shrubs or plants which we cannot send C. O. D.; and we cannot accept returned PLANTS for credit. We are glad to open charge accounts on receipt of the usual trade references.

Our prices are net with no discounts and always subject to change without notice.

EDWIN CARTER, *President*
ALEX. E. SEHLMAYER, *Vice-President*
J. LESTER PARSONS, JR., *Treasurer*
THOMAS F. KEARNEY, *Secretary*
E. REIFF, *Asst. Treasurer*

DELIVERIES

We deliver the following Free anywhere in the U. S. by prepaid express, freight or parcel post:

Flower Seeds

Vegetable Seeds, except ½ lbs. and larger units of Beans, Corn and Peas; we deliver these also when packed with other Vegetable Seeds and they comprise less than half the total value. If you order Beans, Corn and Peas alone and by weight, and if you live east of the Mississippi, add 5 cts. for each pound to your remittance to cover postage, packing and insurance. For points west of the Mississippi add 10 cts. per pound.

Books

We deliver Free anywhere east of the Mississippi all Grass Seeds for Lawn, Sports, Hay and Pasture.

To points beyond we ship "Charges Collect". If sending cash with your order for points beyond the Mississippi, add 5 cts. per pound.

Purchaser Pays Transportation on all other merchandise—Clovers; Beans, Corn, and Peas, alone and by weight; Potatoes; Farm Seeds; Implements; Fertilizers; Insecticides; Fungicides; Vegetable Roots; Fruit Trees; Bushes and Vines; Shrubs; Hardy Perennial Plants; Roses and Bulbs.

We ship these by express or freight, "Charges Collect". You pay transportation cost to the agent on arrival.

Note regarding Bulbs, Roses, Bushes, Shrubs, Hardy Perennials.

These often travel best by Parcel Post; when sending cash with your order add 5 per cent of the value for postage, packing and insurance to points east of the Mississippi, and 10 per cent to points west of the Mississippi.

If you do not add the postage we will assume that you wish us to send by express, "Charges Collect".

We make a service charge of 35 cts. on Hardy Perennial Plant orders less than \$3.50.

Stump & Walter Co.

132 Church Street, New York 8, N. Y.
BARCLAY 7-1110

BRANCHES:

STAMFORD, CONN.
ENGLEWOOD, N. J.
MILLBURN, N. J.
WHITE PLAINS, N. Y.
HEMPSTEAD, L. I.
NEWARK, N. J.
FARMINGDALE, L. I.

WARRANTY. The Stump & Walter Company warrants to the extent of the purchase price that Seeds, Plants, Shrubs, Trees or Bulbs sold are as described on the container within recognized tolerances. Seller gives no other or further Warranty, express or implied.

GENERAL ORDER SHEET

FOR YOUR CONVENIENCE ORDER VEGETABLE AND FLOWER SEEDS BY NUMBER

[illegible]

Please add 2% Sales Tax if delivery is to be made within New York City.

IF ANYTHING IS MISSING when you unpack your goods, look for a memorandum either with your merchandise or sent by mail, telling you that some items of the order are to follow later; these may be goods which are not suitable for using right away. Onion sets and lawn mowers, for example, are not shipped until it is the proper time to use them. We sometimes enclose small packages in larger bags of seed or fertilizer.

YOU NEED NOT ENCLOSE CASH with your Order if you have charge accounts with other business houses. List here the stores with which you trade:

We send the merchandise you select without delay, and will mail you an invoice which is payable within thirty days.

NURSERY ORDER SHEET

[illegible]

Please add 2% Sales Tax if delivery is to be made within New York City.

IF ANYTHING IS MISSING when you unpack your goods, look for a memorandum either with your merchandise or sent by mail, telling you that some items of the order are to follow later; these may be goods which are not suitable for using right away. Fruit trees, Roses, and Shrubs for example, are not shipped until it is the proper time to plant them. We sometimes enclose small packages in larger bags of seed or fertilizer.

YOU NEED NOT ENCLOSE CASH with your Order if you have charge accounts with other business houses. List here the stores with which you trade:

We send the merchandise you select without delay, and will mail you an invoice which is payable within thirty days.

Exotic Tubers for GARDEN CONNOISSEURS

GLOXINIAS

Handsome summer-blooming, tuberous-rooted plants for the garden, and ideal for pot-culture indoors. Use care in watering and give good drainage.

- | | |
|---------------------------------|-------------------------------|
| 3134 White with pink border. | 3139 Purple-blue. |
| 3135 Scarlet with white border. | 3140 Crimson. |
| 3136 Violet with white border. | 3141 Spotted; various colors. |
| 3137 Light red. | 3142 Choice Mixed. |
| 3138 White. | |

Any of above, 45 cts. each, \$4 for 10, \$30 per 100

CAMELLIA-FLOWERED BEGONIAS

With their brilliant colors they are true jewels of the garden all summer. On the north side of a building and in shady nooks they are very satisfactory, and when the blooms are cut and floated in water they make ideal table decorations.

Six Beautiful Colors:

- | | |
|--------------|-------------|
| 3012 Apricot | 3016 White |
| 3013 Scarlet | 3017 Yellow |
| 3014 Pink | 3018 Mixed |
| 3015 Crimson | |

35 cts. each, \$3 for 10, \$25 per 100

COLLECTION:

3019—FIVE BULBS, one each of five of the above colors, **\$1.50**
our selection.



Fancy-Leaved Caladiums

Summer foliage in gorgeous, yet soft coloring. Good in the conservatory or for outdoor bedding in semi-shady positions. Do best if started one bulb to a 6-inch pot.

3039 Choice mixture of colors, 35 cts. each, \$3 for 10, \$25 per 100.



Plant outdoors 8 inches apart in mid-May, or start them earlier indoors in pots and transplant when the weather gets warm. Provide a rich soil composed of equal parts of earth, leaf-mold and rotted manure, with a little bonemeal. Water well every few days and occasionally sprinkle the foliage with a fine spray. In late fall, lift the tubers and store in dry sand.

FLORIBUNDAS (Abundance of Flowers)

Brilliant everblooming Roses. Vigorous, 2 to 3-ft. plants covered with striking clusters of large blooms all summer. Ideal for planting in mass, for landscape effects, in individual beds or amid your shrubs.

MING TOY
\$1.25 each, \$3.50 for 3,
\$12.50 per doz., \$95 per 100

FASHION. Patent 789
\$2 each, \$5.50 for 3,
\$20 per doz., \$155 per 100

Collections

**D1: 5 Beautiful
Floribundas, one
each**

\$6.75

**D3: Three each,
15 plants in all
\$20.00**

We guarantee our Roses to reach you in good condition and to live; we will replace without charge any that may not be alive two months after you purchase them.

Four of these varieties, Pat. applied for; Fashion is patented. They are dormant and are available from March 1 to May 10.

Plenty of lovely cut-flowers for indoor decoration throughout the Floribundas' long blooming season; they keep wonderfully in water.

GLORIOUS
\$1.25 each, \$3.50 for 3,
\$12.50 per doz., \$95 per 100

CRIMSON ROSETTE. \$1.50 each, \$4.15 for 3,
\$15 per doz., \$115 per 100

PINK ROSETTE. \$1.50 each,
\$4.15 for 3, \$15 per doz., \$115 per 100